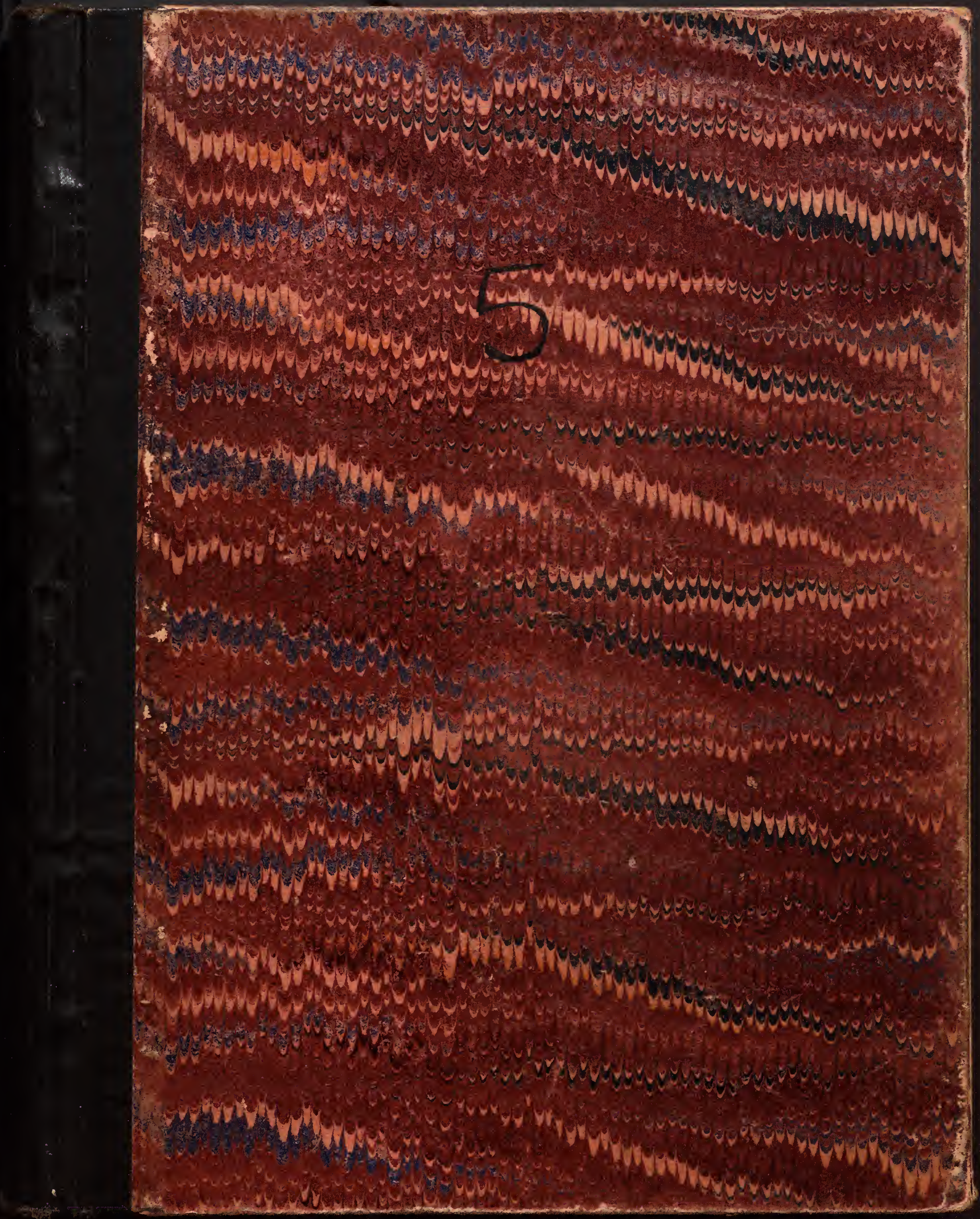

5

SHOUT
SHARE
IT

1/6

Vol. 5.

Diary of insects, &c., chiefly
Hymenoptera
Collected by C. W. Stelfox
1932 - 1933.

RUBBER STAMP MAKERS
T.K. MARTIN & SON
3 NASSAU ST DUBLIN
STATIONERS AND PRINTERS

SAORSTÁT ÉIREANN

Telephone No. :—
DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),......................................19.....

Ichneumons from Killarney district, N.K. named & returned to E. A. Bullock on 21. 2. 33.

Coelichneumon sp. near comitator, cf. bistrigosus Hlgr. 1 ♀. Sept. 1927. "Killarney". Same as my ♀ from near Woodstock, Kilkenny, July 1932.

Diadromus sp. (♂?) Same as my Ballyhenry ♀ "Killarney. July 1928"

Scolobates auriculatus (♂?)
"Lake shore, Kenmare Estate,
Killarney, July 1930."

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3. NASSAU ST
DUBLIN
STATIONERS AND PRINTERS

1.

List of hymenoptera from Kerry returned to E. F. Bullock, on 4/1/1933.

Rhogogaster aucupariae 1 ♂, 2 ♀♀. Tenthredopsis red & black ♀♀; T. "tiliae" brown ♀♀.

Tenthredella atra ♀. T. ferruginea var. ? or T. moniliata ♀ ? with pale stigma & all black, rather short antennae & just a trace of red on 4th-5th segment.

Metopius micratorius 2 ♂♂, Killarney, NK. "Sept. 1927" & "July 1928".

Amblyteles glaucatorius 1 ♀ with black scutellum. "Woodlawn, Killarney. 4.6.30". NK.

" oratorius 2 ♂♂.

Ichneumon deliratorius 2 ♂♂.

Platylabus dimidiatus 1 ♀ ~~"ARBAGH" (?)~~, 28.4.1931.

Ballast-pit, Killarney, NK. "5.8.29" (?)

Habrocryptus minutorius 1 ♀

~~"ARBAGH" (?)~~ 28.4.1931.

Arvagh!

(Also 2 small Proctotrypids unnamed!)

---

then milder,

W-W), calm later.

valley just

hazel, alder, 1.

Pegomachus,

on roadside.

♀♀ seen ;

k.

ck, ♀ off oak.

List of hymenoptera from Kerry returned to E. F. Bullock, on 4/1/1933.

Rhogogaster aucupariae 1 ♂, 2 ♀♀. Tenthredopsis red & black ♀♀; T. "tiliae" brown ♀♀.

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Metopius micratorius 2 ♂♂, Killarney, NK. "Sept. 1927" & "July 1928".

Amblyteles glaucatorius 1 ♀ with black scutellum. "Woodlawn, Killarney. 4.6.30". NK.

" ovatorius 2 ♂♂.

Ichneumon deliratorius 2 ♂♂.

Platylabus dimidiatus 1 ♀ ~~"AKBAGH" (?) 28.4.1931.~~
Ballast-pit, Killarney, NK. "5.8.29" (?)

Habrocryptus minutorius 1 ♀
"AKBAGH" ~~(?)~~ 28.4.1931.
Arvagh !

Also 2 small Proctotrypids not named !

saorstát éireann

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(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),..19.....

AN ROINN OIDEACHAIS
(Department of Education).

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BAILE ÁTHA CLIATH
(Dublin).

TELEPHONE: DUBLIN 62286.

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Canon G. Foster's captures 1932.

Bombus muscorum 3♂♂, 1♀. Gartan, Co. W.D. Aug. '32.

Andrena jacobi 1♀. Saintfield, Co. DO. 31.5.'32.

Halictus ~~calceatus~~ freygessneri 2♀♀ 〃 〃 〃

Nomada lillana 1♀ 〃 〃 〃

Megachile versicolor 2♀♀ Strangford, DO. June 1932.

Fly: Arctophila musitans. Gartan, W.D. Aug. 1932.

Nomada marshamella 6♂♂, 1♀. Finnebrogue Co. Do. 30th May 1932.

Andrena fucata 1♂. 〃 〃 〃

Andrena albicans 1♀ 〃 〃 〃

Nomada ruficornis 1♂. 〃 〃 〃

Halictus freygessneri 1♀ Gartan, W.D. Aug. 1932.

P.T.O.

18th September 1932. Dull, chilly first, then milder, rain at 2.0 pm. Windy in morning (NW-W), calm later. Glencree, Co. Wi. Scrub in tributary valley just W. of Knockree. All beaten off hazel, alder, oak or willow, except the larger ♀ Pezomachus, which was taken on Carduus arvensis on roadside.

Bombus agrorum ♂♂ & ♀♀. B. lucorum ♀♀ seen by George on summit of Knockree.

Athalia cordata ✓5/3/33. 2 ♂♂ beaten off oak.

Platylabus rufus ; (?) a very dark, semi-black, ♀ off oak.

P. rufipes ♀♀ common

Stilpnus gagates? ♀   Pezomachus [illegible] ♀♀ [illegible]   ♀ [illegible]

[illegible] ? ♀

Pimpla [illegible], P. brevicornis ♀, P. maculator [illegible] ♀. P. [illegible] ?

Pimpla 4 dentata 1♀   P. examinator [illegible] ♀ ?   [illegible]

Polysphincta tuberosa ♀   [illegible]   ♀

Phytodietid [illegible]

Homocidus pallipes, 3 ♂♂, 1 ♀ (1 ♂ certainly on Salix!).   1

[illegible]

[illegible]   [illegible] ?   [illegible]   ♀.

2.

18.9.32 cont. Glencree, Co. Wi cont.

[illegible]

[illegible] ♂♂ [illegible]
[illegible] ♀ on Salix [illegible]
[illegible]

[illegible] ♀ [illegible] B. [illegible]
[illegible] ♀
[illegible] Tanycarpa [illegible]
[illegible] ♀♀ [illegible]
[illegible]

21st Sept. 1932. A beautiful day, with clear sky & warm sun: cool E. breeze.
3.0 till 4.30 P.M.

Slopes E. of lower reservoir, Glenasmole, Co. Dublin.

Bombus jonellus, beautiful fresh ♀ seen on dam.
B. agrorum ♂♂ & ♀♀ plentiful on Scabious &c.
Stenichneumon culpator, black ♀.

[illegible]

[illegible] ♀ on Alder
[illegible] on Alder
[illegible] ♀ [illegible]
Oedematopsis [illegible] ♀ on flowers of Angelica

[illegible] 5 & 6 ♀♀ [illegible]

Tanycarpa rufinotata ♂ 1♀
Dacnusa [illegible] ♂ frequent, on [illegible]
[illegible] distracta ♀ on Alder
[illegible] ♂♂ ♀, [illegible]
Rhogas circumscriptus ♂ ♀
♀ [illegible] on Alder
[illegible] Cynipid

4

25th Sept. 1932 A fine sunny morning, [illegible] but very strong S.W. breeze; with heavy showers (sleet) after 2.0 PM onwards & much colder. Specimens taken by beating, but too sunny & windy; most taken with net & most of the smaller fry taken in alder swamps by sweeping grass, Carex [illegible], alder &c.
11-30 till 2.0 PM. Insects scarce flying.
Glencree, Co Wi. Tributary valley just west of Knockree, as before.

Bombus agrorum a few, mostly ♂♂.
[illegible] Large black & yellow ♀ seen, as before.
[illegible] [illegible] ♂♂. [illegible] [illegible] ♀♀. [illegible] [illegible] ♂ (very small ♀ [illegible])

[illegible] protuberans 2♂♂ & ♀(?). [illegible]

[illegible] [illegible] ♂♂ & ♀♀ [illegible]

[illegible] [illegible] 1♂.

Homoeodes pallipes 1♂. [illegible]

5

25/9/32 cont. Glencree, Co Wi cont.
[illegible] [illegible] 1♂ [illegible] [illegible] ? 1♀.

[illegible] ♀

[illegible] [illegible] ? [illegible]
[illegible] [illegible] ? 2♀♀. [illegible] [illegible] ? 1♀ [illegible] ? 2♀♀ [illegible]
[illegible] [illegible] 1♀. [illegible] [illegible] & 1♂
[illegible] pilator ? 2♀♀. M. [illegible] ? 1♀.
[illegible] [illegible] ? 1♀.
Drosophila large robust ♂, cf D. [illegible] or [illegible] Reinhard? (or ? ovata Meigen 10! [illegible] 5.2.33.)

28th Sept. 1932. A beautiful day!
In aft. drove car to Greystones & stopped to collect at SE. corner of Glen of the Downs, Co. Wi., where the Forestry Dept. are wantonly cutting down the oak-wood.

Bombus agrorum seen. Athalia cordata 1♂ (√5/3/33).
Pimpla turionellae ♀. [illegible]
Stenichneumon ? 1♀. Cratichneumon ? 1♀.
Phygadeuon ♀♀ 2 small red ones. Hemiteles [illegible]
Stenomacrus ventralis ♀♀ on oak. S. 1♀ on oak.
Blacus humilis 1♀? & B. [illegible] 1♀ [illegible] on oak.
Dacnusa areolaris ♀♀ abundant on oak, &c. [illegible]
Meteorus pulchricornis 1♂. Apanteles [illegible]
[illegible] Blacus [illegible]

2nd October 1932. A very stormy day, NW gale, cool & keen; but almost all sunny, with just a skiff or two of rain. 11.30 till 3.30 pm. Insects very scarce!
Oak wood, on S. slope of Carrick Mt., E. of Glenealy, Co. Wi.
Bombus agrorum a few seen. B. muscorum a fresh ♂ (or ♀(?)) flew into motor near Ballylusky!
Pimpla quadridentata ♀♀.
Cratichneumon [illegible]

2.10.32. Glenealy, Co. Wi., cont.

Campoplex ♀, small.
Promethes sculellatus ♀, in swamp in wood.
[Homocidus flavolineatus (?) ♀ JAWS. 20.1.33., flew into car near Killadreenan, Wi.]
Saotis ?
~~Mesoleius~~ ♂. J.F. Perkins, 5.4.1937, agrees this is a Saotis sp.
Orthocentrus ♂. Stenomacrus ventralis 1♂ in swamp.
Gyrocampa affinis ~~[illegible]~~ "N. sp. near affinis" A.W.S. 1936: Nixon agrees 9.11.36. 1♂ in swamp in corner of field.
Dacnusa areolaris 1♀ only. D. pilicornis 1♂ in swamp.
Alloea contracta ? 2♀♀ in woods. Aspilota
Coelinius braconius ? 3♀♀; one large, two smaller; in woods.
Apanteles 2♂♂.
Meteorus [illegible] 3♀♀ in rushy field.

5th Oct. 1932. A perfect day! but sun too hot to permit beating with success. 3.0 till 4.0 pm.
Powerscourt demesne, Co. Wi. Right bank of river just below deerpark gate & for ¼ mile N.
M.D.S. saw one Bombus!

Stenomacrus ventralis ♂ & ♀♀ seen. [illegible]
Aspilota [illegible] ♂♀ [illegible] 1♂

[illegible] Dacnusa ♀♀ [illegible] fields.
Phygadeuon [illegible] 2♂♂ 1♀♀
Meteorus [illegible] 2♀♀ [illegible] by sweep.
M. unicolor? 1♀, dark var.
[illegible] ♂ [illegible] ♂
Dacnusa areolaris ♀♀ abundant Aspilota [illegible] ♂♀♀♀.
[illegible] 1♀ [illegible] by sweep
Aphidius [illegible] ♀♂♂. Phaenocarpa tabida ♀, small.

9th Oct. 1932. The second of two perfect days, with very low barometer.
Coast for one mile N. of Balbriggan, Co. DU.
Most insects taken by sweeping in lane to shore ½ mile N. of old life-boat house or along coast or in small salt-marshes (where Glaux maritima grew!) north of this.
Bombus terrestris 1 beautiful ♀ seen.
B. lapidarius ♂ (seen by George!). B. agrorum seen.
[illegible] 3♀♀, 2♂♂.

Dacnusa gilvipes 1♀. D. areolaris 3♀♀ in lane.
Aspilota [illegible] ♂ A. [illegible]
Phaenocarpa conspurcator 2♂♂.
Opius [illegible] ♂
Blacus [illegible] ♂? Diospilus oleraceus [illegible] 1♀
Syrphus [illegible] ♂ & ♀.
Apanteles [illegible] ♂ A. sp.? 1♀.

12th Oct. 1932. A dull afternoon with considerable light rain: cold, W. wind.
Furry Glen, Phoenix Park, Co. Dn.
Most beaten off beech, elm, or hawthorn just above where main avenue crosses glen.

Acmilitola [illegible] 1♀.

Pimpla iv-dentata 1♀

Promethes pulchellus 1♀.
Collastes braconius ♀♀ common.
Dacnusa areolaris ♀♀ common. (none kept.)

16th Oct. 1932. A fine mild day, with misty rain in late afternoon. 12 noon till 3.30 pm.
Scrub on ~~[illegible]~~ left bank of Avonmore opposite & below Avondale, Co. Wl. (just above 3rd railway bridge on river above Meeting of the Waters & exactly opposite Parnell's old sawmills): = Connary & labelled

Connary
Co. Wl. AWS.
16.10.32.

Bombus agrorum one (? ♂ or ☿) seen on ivy blossom.
Pimpla iv-dentata 1♀ swept in marsh.
" brevicornis 1♀ " " ".

16.10.32. cont. Connary, Co. Wl. cont.

[illegible] 2♀, [illegible] of 3 spp.

[illegible]

[illegible]

[illegible]

[illegible] 2♂♂, [illegible] ♀♀.

1 Campoplegid ♀.
Collastes braconius ♀ taken at rest. Opius [illegible]
Alloea contracta + [illegible] ♀
[illegible] 2♀♀ only — One of these is certainly [illegible] & the other with mottled wings probably [illegible]. A.W.S. 21.4.1938.
with 21 & 24 jointed antennae & deep [illegible] ?
[illegible] ? ♂ & 2♀♀ [illegible]
same species as [illegible] but wings hyaline!
1 small ♂, with 21 jointed antennae & dark wings. ?? this species.
N. sp. named as one in Haliday Coll." A.W.S. Oct 1936; Nixon [illegible] 9.11.1936.

[illegible] 2♀♀.

Also [illegible] Proctotrupidae & Chalcids + 6 [illegible]

Also named as ♀ taken by [illegible] Boyne, below Trim, Co. ME. on 20.6.1935 & should [illegible] call G. [illegible] + [illegible] of the [illegible] on the [illegible]. A.W.S. 7.3.1938.

— Not kept, a useless specimen. A.W.S. 21.4.38.

23rd October 1932. A glorious day after a cold wet night. Few insects seen till 2.0 pm.
Meeting of the Waters, Co. Wl. Noon till 3.30 PM.
All, but 3 or 4 ichs, taken in Castle Howard woods east of railway: the exceptions from scrub on left bank of river above Castle Howard gate.

Bombus lucorum 1 faded ♀ sunning herself.
Vespa vulgaris a nest by ry. bridge in full swing & many seen on wing.
Pimpla instigator 1♀ seen. P. quadridentata 3♀♀ examined.
Stilpnus ♂♂ frequent, 1♀. Habrocryptus porcelanus 1♀.
Hemiteles
Phaeogenes ? 1♀
Mesoleptus 2♂♂.
Plectiscus ? 1♀
[illegible] ? ♀ 1♀ with very long [illegible] (like Campoplegid)
Campoplex
Bassus ♂
Dacnusa 1♂.
Ophion ? (cf. pallipes, but testaceous) ♀
Meteorus cf. pulchricornis? 2♀♀.

[illegible] 1932. Taken by [illegible] sweeping in [illegible], [illegible] of river Dargle. Little Bray, Co. Dublin. [illegible]
[illegible] ♀. Blacus rufescens? ♀ 3
[illegible] ♀ ? very small.
cf.
Proctotrupe ♂ [illegible] (A.H.?) = Exallonyx ater 3♀♀, Fide Nixon 1937.
[illegible] = Hemiptarsenus fulvicollis Westwood.
Fide Ferrière. 1939. A.W.S. The specimen presented to Ferrière.

30th October 1932. Severe westerly gale, cold, sunny with showers in afternoon.
Drove A. Farrington to upper lodge of Powerscourt Deerpark, Co. Wl., to study local moraines & channels there & on Calary plateau. On sheltered side of reservoirs quite calm & very warm in sun & many diptera flying, on other side of same the wind was terrific & water lashed to spindrift & trees swaying with the gale. The following ichs beaten out of silver fir (?) at W. end of old dam between the reservoirs: —
Stenomacrus ventralis ♀♀ abundant (none kept!)
S. pilosulus? 1♀
Orthocentrus ~~[illegible]~~ radialis? ? 1♀
O. smaller ♀ (? same sp) or ? protuberans or another sp

13th November 1932. A dull cold day with E. wind at the end of ten days similar weather.
King William's Glen, Co. Louth.
Very nice ground & would repay working at other seasons: also nice "wood" along west bank of the Mattock River opposite Mellifont Abbey & indeed the whole valley of the Mattock might repay working as well as Townley Hall demesne.
Almost all taken by beating ivy blossom in glen: one or two taken by sweeping!
Vespa vulgaris seen at ivy.
Dacnusa areolaris ♀♀ abundant, 5 kept.
Aspilota ♀ with 15 joints to antennae.
Meteorus scutellator? ♀. on ivy. Apanteles 1♀.
Stenomacrus ventralis 1♂ & 1♀. Hemiteles areator? 1♀.
S. ♀ with pale stigma, like last, but compressed abd.
S. ♂ Mesochorus 1♂. Exolytus 1
Proctotrupid 1♀. Campoplegids 3.

16th Nov. 1932. A fine cold day, E. wind, after a very wet cold (NE) day on 15th.
Greystones Golf Links (at corner next Killincarrig), Co. Wi.
All beaten off ivy blossom!

16.11.32 cont. Greystones, Co. Wi. cont.
Pezomachus rufipes? small ♀.
Orthocentrus protuberans ♀. Also 2 ♂♂ with pale legs & very yellow faces, cf. ? All mts. on same card!
Stenomacrus ventralis 1♂ & 1♀.
Diaparsus ? 2♀♀.
Plectiscus ? 1♀.
Hemiteles ?? 1♂.

Phaenus humilis ? ♂ & ♀.
Proctotrupid 2 small ♀♀.

20th Nov. 1932. A cold dull day, W. wind, dripping in morning, clearing in afternoon & dry.
2.30 till 4.0 pm. Phoenix Park (in & around the Furry Glen), Co. Du.
Pimpla maculator 2♀♀. Campoplegid. 1♀
Stenomacrus ventralis 1♂, 2♀♀. } none kept.
Dacnusa areolaris ♀♀ abundant. }
Hemiteles ♂? 1♀.
Tortricid moth resembling bud of tree.
Vespa vulgaris 1♂, several ♀♀ seen.

All beaten off ivy blossom!

27th Nov. 1932. A fine cold day, mostly sunny, but one thick shower between 12.30 & 1-30 pm which stopped all beating: after two days gale & rain: wind NW & still very high.

King William's Glen, above Drogheda, Co. Lth.

Dacnusa areolaris ♀♀ abundant. } Beaten off ivy blossom
Colastes braconius 1♀ } on Townley Hall wall.
Vespa vulgaris ♂♂ & ♀♀ seen.
Bombus lucorum? ♀? seen by Daisy & George.

Sun very hot in shelter at foot of glen!

[Spent afternoon in wood on right bank of Mattock R. opposite Mellifont Abbey, Co. ME., where snail Vitrina pyrenaica Fér. quite common: several also taken in dry roadside ditch under hedge on N. side of Slane Rd. just west of bridge above abbey. Very good ground along Mattock R. both above & below the bridge & great shelter from W. winds. Also excellent ground in open oak wood at upper end of King William's Glen.]

4th Dec. 1932. A beautiful day, with hot sun.
Wasps (V. vulgaris), ☿☿ & 1 ♂, abundant at ivy near Willington Ho., Templeogue, 11-0 AM — noon. Co. DU.
Also Dacnusa areolaris ♀♀.

14th Dec. 1932. Very cold & dry, after similar ten days with E. wind.
One ♀ (Vespa vulgaris) was seen at tree near Willington Ho., Co. DU. & several Dacnusa areolaris beaten off ivy.
[NB. Several gales followed & terrific rain for 36 hours on 19th - 20th - 21st Dec.]

1933.

The year opened a mild & summery, & it was almost warm, but turned cold & dry about the middle of the month. January finished with the third week very cold with E. winds & frosty nights.

The first Snowdrop in garden was out on 15th Jan, though we had seen one at Templeogue about 15th Dec. previously. Two Crocuses out in Bennett's garden on 23rd Jan, but ours which get much more sun not nearly out & now delayed by cold snap.

30th Jan. 33. First Crocuses (yellow) out in [illegible] front garden!

Cold, alternating with very mild spells (52°F. at night!) until mid Feb.

Almonds all out about 10th or 11th Feb. One on Kimmage Rd. out about 8th Feb. Celandine & Coltsfoot out by the Dodder, below Rathfarnham, on 11th Feb (N.B.S. & George!)

16th Feb. '33. Sax. Oppositifolia from Benevenagh, L.D. in flower in front garden. One flower on Snowdon plant in back garden on same day!

19th Feb. 1933. A glorious sunny day after a hard frosty night: very cold in shade (N.E. wind) but sun very hot.

South Cliffs of Howth, below Earlscliff, Baily, Co. Dublin.
Went, with P. O'Mahony, to look for more specimens of brachypterous species of Trichopria, taken here in Jan. 1928 at roots of sea campion.

All the following taken by shaking overhanging clumps of Campion, grass &c, at base of cliffs, from high-water mark to six or seven feet at most above this.

Hemiteles — 1 Ellis, at ♀ in grass tufts.
Pezomachus rufulus? 1 ♀.
Trichopria — many ♂♂ ♀♀, all sent to Nixon! subsequently lost!
Platygastrid — a few ♀♀
Proct.? a small sp. about the size of the Trichopria!
Also bugs, beetles &c, but no specimens of the weevil Elaenus purpurascens seen on this occasion, where it has usually quite abundant.

23rd - 24th - 25th Feb. Gale from NEE. with very heavy snow all over country!
1st March. White crocus out under front window: Purple crocus out 5th March.
5th March 1933. Spent day N. of Portrane asylum, Co. Dublin but no hymenoptera taken, though searched for by "shaking" on cliffs & dunes.

8th March 1933. Chionodoxa out at 14 Clareville Rd., Dublin.
12th " " Anemone apennina out " " .

12th March 1933. A most perfect day, as also was the 11th, with no wind & a cloudless sky after a slight frost. Drove to Deputy's Pass, Co. Wicklow, but stopped on the way for a few minutes each at (1) Kilmartin channel, where one Bombus (? lucorum or jonellus) seen & one Peacock Butterfly; then to (2) Ballyhenry quarry where nothing out; next to railway crossing at Drumdangan, where another (the usual!) Peacock Butterfly; then on to N. end of Deputy's Pass, where had lunch at N.W. edge of wood, but no hymenoptera seen. After lunch drove on to south end of Pass & spent the afternoon about old garden, as usual: here saw a third Peacock Butterfly, one ♂ Andrena on ash tree near foot of the side glen, where it was twice seen, (? apicata or clarkella: too large for praecox!), & Daisy saw another Bombus ♀. No willows yet out at any place where we stopped but some seen out at & below Enniskerry, Kilmacanoge marsh, &c. No hymenoptera seen flying except those mentioned above but the following were beaten at Ballyhenry & in the afternoon at Deputy's Pass: ⟶ P.T.O.

19 12.3.33 cont. Ballyhenry & Deputy's Pass, W1, cont.
Beaten out of Spruce at Ballyhenry.
Pimpla examinator 2 ♀♀.
Δ *P. maculator* 3 or 4 ♀♀.
Beaten out of various trees at Deputy's Pass.
Pimpla examinator ♀♀ frequent, out of Spanish Fir, Ivy, Holly.
Pimpla elegans 1 ♀ out of Spanish Fir.
P. pomorum 2 ♀♀ out of Ivy or Holly beyond side glen.
Perilissus ? [illegible] 1 ♀ out of Ivy or Holly beyond side glen.
Campoplegid 1 ♀ " " " "
Habrocryptus minutorius 1 ♀ out of Spanish Fir, where one taken on previous 11th Sept. (1932).
Bracon 1 ♀ out of Spanish Fir
B. ([illegible]) 1 ♀ out of oak, with dead leaves on branches
B. 1 ♀ out of Ivy or Holly.
Rhogas circumscriptus 1 ♀ out of Ivy or Holly.
Bethylids
Chalcid abundant in Spanish Fir, [illegible]
Cynipids abundant: 1 or 2 kept only

16th March 1933. [illegible] *apricots* [illegible] front garden (almost exactly one month earlier [illegible] 1932; ? owing to dry summer of 1933)

17th March 1933. A poor day: wet till 11.30 AM. Some sun in afternoon in Co. Kildare.
Left home at 1.15 & drove via Lucan & Clane past Prosperous to Bog of Allen, where saw ground M.S.D. Westropp goes to for *aurinia* larvae & which he recommended. Not much taken with it & no birch scrub or other native trees! some pine plantations, some sallies planted along ditches & plenty of virgin bog. Near Clane, KD, stopped at several willows, well out here, & saw about 9 *Bombus terrestris* ♀♀ & about 3 *B. lucorum* ♀♀ but nothing else.

19th March 1933. A bad day, sleet (snow in hills) &c. During a short break in afternoon drove to Enniskerry, W1, where willows well out & in marsh saw two *Bombus* ♀♀ (1 certainly *lucorum*). In the glen beat one ♀ Campoplegid out of ivy, but foliage too wet to hope for good results.

22nd March 1933. A very wild day: gale from SE. but not cold, dry, with considerable sun in aft.
Drove to Enniskerry, W1, but nothing seen ~~by~~ but a *Cynipid* & *Bombus lucorum* ♀ & *B. terrestris* ♀ (Glen & Dairy).

19 On 24th March, A. A. Leivey reported having already seen Bombus terrestris, lucorum & muscorum ♀♀ at Shankill, Dub.

26th March 1933. A perfect day where we were, but dull & cloudy "inland" on the hills.
Drove to Ballyhenry, Avoca & back to Sulphur Mine for lunch; then to Deputy's Pass, where spent the afternoon. All Co. Wi. Chiff-chaffs common!

Ballyhenry 10-30 - 11.0 AM.
Bombus sp. heard. Andrena clarkella ♂♂ & ♀ seen.
Dacnusa areolaris ✓[illegible] swept off rushes in quarry-marsh, S. of Ballyhenry (between main & Killoughter roads)
Bombus lapidarius? ♀ watched by Daisy & George who reported that it had two yellow bands: it flew away just as I reached the spot & I only saw the red - lapidarius - like tail: it was on ♀ willow.
Dacnusa areolaris swept here also.
No sawflies seen!

(I now think George was right & that this was a ♀ B. pratorum. A.W.S. 14.10.1955.

Avoca, old sand scarp just outside Ballyarthur gate.
One honey bee seen on Gorse: Tiger Beetle by Daisy, but nothing else, except 1 Small White Butterfly (D. & G.)
Sandpit just started at end of scarp next road.
— See I.N. Journal for Oct. 1955.

23
1
5

26/3/33 cont.
Sulphur mines, N. of Avoca, Co. Wi. 12-30 till 2.0 pm.
Bombus lucorum, agrorum & muscorum 1 ♀ each.
Vespa rufa 1 ♀ on Salix ♀.
Andrena praecox ♂ on ♂ Salix. [This willow not [illegible] — [illegible] on 25/3/1933 [illegible]]
Pimpla ~~examinator~~ maculator ♀ beaten out of Scotch Pine.
Small black ♀ ich. (vol.) " " " "

Deputy's Pass, Co. Wi. 2.15 till 4.15 pm. All sunny.
Bombus terrestris (1), lucorum (several), hortorum (1), agrorum (1), muscorum (1) seen.
Andrena praecox 1 ♂ on Salix above "garden" entrance [illegible]
A. sp.? 2 ♂♂ seen on same tree as on 12th March but seemed smaller & more like praecox.
Pimpla maculator several ♀♀, only 1 kept.
P. elegans 4 or 5 ♀♀ at Laurel
Phaeogenes [illegible] at Laurel.
[illegible] ♀♀ [illegible] Thorn
Large black & red ♀ with bright red abdomen [illegible]

Hazel leaf buds just bursting!

29th March 1933. Afternoon. Very windy, cool, little sun.
Foot of Glenasmole (below lower dam & above Mrs Doyle's), Co. Du.
on both sides of river.
Bombus terrestris 1♀, lucorum ♀♀, jonellus ♀♀, at Salix.
No other hymenoptera seen.
Small Tortoiseshell Butterfly seen in coomb on right bank
of river: I believe the first I have seen since the spring of
1931!

2nd April 1933. Very windy, with falling barometer. cold
in Dublin with strong W. wind: much milder in
Wicklow & wind S.W. Considerable sun!
Drove to foot of Glenmalure, via Ballyhenry &
Rathdrum, Co. Wicklow. Stopped a few minutes at
Ballyhenry but nothing seen except B. lucorum;
then on to Greenan, where spent most of the day
exploring what the forestry dept. have left of the
Ballyteige oak-wood. This remnant amounts to the
western margin of the oak-birch-holly wood (left to screen
the conifer plantation) & the marshy area full of Salix-
birch & alder in the valley of the "Ballyteige" stream
which joins the Avonbeg, below Greenan Bridge. Here
much good ground for later in year.

2/4/33 cont. Ballyteige wood & valley, N. of Greenan,
Glenmalure, Co. Wi., cont.
Bombus terrestris 1♀, B. lucorum & jonellus many ♀♀, all
on ♀ Salix trees in valley. B. agrorum 1♀ in woods.
Dolerus aeneus ♂♂ frequent in dry oak-wood!
Cryptopimpla anomala, many ♂♂, 1♀, flying about holly,
Vaccinium, &c in oak-wood.
No other hymenoptera seen! Very good ground for later
in the year!

5th April 1933. Dull & windy, but much warmer.
Drove to Bishopscourt Ho. (N. of Kill) (=1) & on
to Sallins, Co. KD., where spent an hour by the
canal & sandpit on the railway ½ mile N. of
station (=2).
Bombus terrestris 1♀ at 1. B. lucorum ♀♀ at 1 & 2.
B. agrorum 1♀ at 2.
Andrena albicans very fresh ♂♂ at 1 on Salix, &c.
[illegible] 1♀ (? just out of hibernation) at 1.
= [illegible]?

Blackthorn well out in Co. Dublin, not really out at
Sallins.
Two Small White Butterflies seen!
No sign of life in railway gravel pit except a Wild Duck on nest
amongst burnt grass on steepest part of scarp.

19 9th April 1933. A quite dull & almost useless day after a fine week. Almost raining in Dublin in morning & no real sun till 6.0 pm. First day of Summer Time!

Drove, with Palmer, to Monasterevan, Emo Park & on to canal near Woodstock House; then back to Gt. Heath, Dunamase, Stradbally, Athy & home. All collecting done in Queen's Co. except at 6.

1 = Canal bank, marsh & hedges 1½ miles S.W. of Monasterevan. Very nice sheltered ground!
2 = Boggy heath & plantation in Emo Park.
3 = Sand-pit long disused, about a mile N.W. of Emo Park entrance (E. side of demesne!)
4 = Sand-pits, used & partly disused near Woodstock House (see list of 17.7.1932!).
5. = Old quarry near Dunamase.
6 = Moat of Ardskull, N. of Athy, Co. KD.

Bombus terrestris ♀♀ at 1, 2 (on Gorse! G.M.S.), & 3.
B. lucorum ♀♀ common. B. jonellus ♀ on Salix at 1.
B. agrorum ♀♀ at 2 & 3.
23 B. lapidarius ♀♀ at 1 (George) & at 4 (Palmer).
Psithyrus distinctus 2♀♀ at 1 & 4.
1 Andrena praecox ♀♀ only seen. On Salix at 1 (Palmer)
5 In burrows at 3, common!. Burrows at 4 ? this species

Willow Wren heard at 1 & 2.

Queen's Co. cont. 9.4.33.
Andrena albicans ♂♂ only at 1.
A. clarkella ♀♀ on Salix at 2, ~~3~~ & 4 (Palmer)

[Salius fuscus 1♂ at 6, in depression in field.]

Amauronematus viduatus (V.R.C.P.) 1♂ at Salix at 1 (Palmer).
Small ichn. at Salix at 1 (Palmer). Diplazon group!
Hemiteles ♀ beaten out of Spruce at 2.

12th April 1933. A fine day, much cooler than previous week, with keen N.W. breeze & little sun: only three good blinks in afternoon. 3.0 till 5.0 PM.
Marsh between roads, N. of Enniskerry, Co. Wi.

Green-veined White Butterfly.

Bombus lucorum ♀♀ only seen, but willows all out of flower.
Andrena albicans ♂♂ seen, only.
Dolerus madidus 1♂. D. leiogaster 1♀. D. 1♂.
Benson agrees! 1934.
Ichneumonidae? — Pontania? — 1♂, 1♀ on Salix
1♂ at 1? 1♂ Hemiteles ?? 1♂ Campoplegid.
Braconidae
Aspilota decorus? 1♀ beaten out of Salix
[illegible] AWS 1937.
Dacnusa ~~[illegible]~~ & 1♂ long antennae (mangled in bottle by Dolerus sp).
Swept on grassy plot on E. side of marsh, beside blackthorn.
Aphidiinae 1♂ swept in marsh.

1, 13th April 1933. A fine sunny day, but with chilly E. wind. cooler than previous day after a slight frost at night!
Afternoon, 2-30 till 4-30: almost all sunny, yet chilly.
Marsh at Enniskerry, Co. Wi., as previous day!
Bombus terrestris 1♀ seen. B. muscorum 1♀ seen.
B. hortorum 1♀ seen on primroses.
Andrena albicans ♂♂ abundant about Salix: 1♀ seen running in marsh.
Dolerus madidus 3♂♂, 1♀ taken, a few other ♂♂ & 1♀ seen.
D. oblongus? 2♂♂, D. nigratus 2♀♀. [No sign of D. liogaster!]
Empria pumila ×RCLB. 1♂ on E. side of stream near road.
Xyela julii 1♀ beaten out of Salix below H. Chestnut on W. side of stream, where car usually left below sign post.
Orange-tip butterfly, ♂, in marsh!
Very few insects out owing to keen E. wind.

13th April 1933. Evening, 7.0 till 8.15 pm.
Drove C.W. Allen to Old Bawn, Du., to see his planted "nests" for Bombus: one possibly occupied, the other not.
Sand Martins in numbers flying over Dodder at usual place

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1 On 11/4/1933 E. O'Mahony collected some ♀♀ etc. at Rush,
5 Co. Du., which I believe are Lasius mixtus! A.W.S.

14th April 1933: Good Friday! All sunny: but cool E. wind, very keen & dry air, & few insects about.
Drove John Barrington & A.M. Gwynn to Avoca & back, when stopped at Meeting of the Waters & the Deputy's Pass, Co. Wi.
[Apanteles 1♀ flew into car near Carrickmines, Du. at 11 AM.]

1 = Sulphur Mines at Avoca: 12.0 noon till 1.p.m.
2 = Meeting of the Waters: woods below Castle Howard: 2.0 till 3.0 pm.
3 = Deputy's Pass: old "garden": 3.30 till 5.0 pm.
Bombus lucorum ♀♀ seen at 1, 2 & 3.
B. hortorum at Primroses at 3, several ♀♀ seen.
B. agrorum & B. muscorum 1 or two ♀♀ only at 1 & 3.
Psithyrus distinctus ♀♀ at 3.
Andrena albicans ♂♂ abundant at 1, 2 & 3.
A. jacobi fresh ♂♂ at 3.
Halictus rubicundus 1♀ at 1.
Nomada bifida ♂♂ at 2. N. marshamella 1 fresh ♂ at 3.
Dolerus nigratus ~~oblongus~~ 1♀ at 1. D. rugosulus: 1♂ in woods at 2.
Empria tridens √RCLB. 1♀ at 3. (Empria tridens √RCLB. 1♀ at 3 (AMG)
Dacnusa areolaris 1♀ √nil swept at 1.
Campoplegid sp.? ♂♂ common at 3 & on wall, AMG)
Exochus 1 at 3. Vol. 1 or 2? 1♂, not old, at 2.
Holly Blue ♂♂ at 2!

16th April 1933. A fine day, but rather dull in the morning & only hints of sun until 1.0 pm. afterwards almost all sunny & sun very hot, little wind (N.)

Drove via Ballymount to marsh & stream 3/4 mile east of Kilcullen, Co. KD; then back (S.E.) to railway bridge S. of Gilltown House, Co. KD.; then to marsh & stream by road & railway 1 1/4 miles N. of Dunlavin, but just inside Co. KD. boundary; then to marsh by Colbinstown station, on Co. Wi. side of boundary stream; then to Ballitore, Co. KD. where collected in marsh & old sand pit on old road 1/2 mile S.W. of village; then home via Moone & Naas without stopping.

---

11 till 12 noon, marsh 3/4 mile E. of Kilcullen, KD.

Bombus muscorum ♀ seen.

Dolerus oblongus 2 ♂♂ ? [All the ♂ Dolerus put in one tube & mixed & so labelled Kilcullen – Dunlavin, Co. KD. 16 IV 33. AWS]

Hemiteles ♀.

Dacnusa areolaris ♂♂♀ ntd.

[illegible]

← 4 Dolerus ♂♂ taken on this day. 1 seems D. oblongus, 1 " 2 nigratus, with very [illegible] in [illegible] → 1 may be puncticollis, but has [illegible] 1 [illegible] [illegible] very [illegible]. AWS 27/11/33.

16/4/33 cont.

12-30 till 1-30. Railway banks at bridge, S. of Gilltown House, Co. KD.

Bombus lucorum ♀♀ seen.

Andrena albicans ♂♂ at blackthorn &; & 2 ♀♀ seen.

Halictus freygessneri ♀ in cutting.

Salius fuscus ♂♂ very common.

Dolerus nigratus ✓RBB. 1 ♂, others seen, in field & along edge of cutting. [See p. 36 under Dolerus!]

16/4/33. cont.

1.30 till 2.0 pm.

Marsh, stream, & plantation, E. of road & railway 1 1/4 miles N of Dunlavin & just inside Co. KD. boundary.

Dolerus ~~oblongus~~ nigratus, ✓RBB. ? 1 ♂ in marsh. [See p. 36 under Dolerus]

Small ♂ ich. (? ~~[illegible]~~ Braconid), [illegible], [illegible] Spruce.

16/4/33 cont. 2-15 till 2-45 pm.

Marsh near Colbinstown station, on Co. Wi. side of boundary stream.

Bombus derhamellus 1 ♀ seen several times.

P.T.O.

16/4/33 cont. Coltinstown, Co. WI., cont.
Between one & two dozen small hymenoptera swept off grasses & sedges &c.

Ich. [illegible]

Braconid. = [illegible] of 4/4/1938.
Dacnusa [illegible]. 1♀ [illegible] distinct [illegible] pleural groove!
Ophion [illegible] ♀ [illegible] ♂

Proctotrypoid.

16/4/33 cont.
3.0 till 5.0 pm. Marsh & sand pit 1/2 mile S.W. of Ballitore, Co. KD.
Bombus terrestris 1♀, *B. lucorum* several ♀♀.
Psithyrus distinctus ♀ seen.
Andrena *albicans* ♂♂ & fresh ♀♀ seen.
A. nigroaenea ♂♂ common & very fresh.
Halictus calceatus & *freygessneri* ♀♀ identified.
Nomada marshamella several ♂♂.

16/4/33 cont. Ballitore, Co. KD. cont.
Ich. [illegible] Campoplegine ♂ & ♀ [illegible] sand pit.
[illegible]

Braconidae.
Dacnusa [illegible] {[illegible] pleural groove! [illegible] 1♂
[illegible] 1♀ has distinct pleural groove!}
[illegible]
[illegible]

Proctotrypoid.
Several [illegible]

[17.4.33. *Bombus muscorum* ♀ in garden at 9.0 A.M.: torpid!
14, Claremont Rd., ~~[illegible]~~ Herald's Cross, Du.]

19th April 1933. A bright day with strong, dry, very keen East wind & little shelter anywhere.
Drove via Balbriggan to the Boyne, collected in King William's Glen at New Bridge, Co. LH. & home via New Bridge, S. bank of Boyne, & Ashbourne.
11.0 – 11.30 AM. N. bank of Broad Meadow Water, Co. Du.

Triclistus		} Beaten off hawthorn leaves.
Sigalphus	1♂	

P.T.O.

19/4/33 cont.

12.0 noon. Stopped at Julianstown, Co. LH. (?) & spent 20 minutes in beautiful marsh on left bank of river below village, but saw nothing except one ♂ Dacnusa areolaris in swampy place (not kept!)

12-45 till 2-30 pm.

King William's Glen, Co. LH.

Andrena albicans ♂♂.

A. cineraria: a great colony (M.D.S. & G.M.S.) on left bank of river half way up glen, just above 1st cottage, nesting in stiff dry sandy boulder-clay near top of bluff opposite the cottage. ♂♂ very abundant, 1 fresh ♀ taken ♂♂ also seen on Lesser Celandine flowers further up glen by the river & road. This colony belongs to the early form!

Nomada 1♂ beaten (& escaped): probably N. lipida.

Halictus rubicundus 1♀, with pollen, with A. cineraria.

Blennocampa tenuicornis √ R.C.L.P. v. alchemillae 1♀ swept in marsh by stream.

Hoplocampa chrysorrhoea ~~[illegible]~~ √ R.C.L.P. 1♀ " " " "

Eclytus fontinalis 1♂ swept .. ..

19.4.33 cont. King William's Glen, LH., cont.

Euphorus pallidipes ?? 1♂ swept in marsh.

Opius? [illegible] 1♂ on George's knee at lunch.

Dacnusa areolaris ♂♂ & ♀♀ frequent in marsh: 4 ret. on one card.
(very elongate & slender stigma!)

Aphidius? ♂.

Otiorhynchus auropunctatus, 2 specimens beat out of [illegible]

19.4.33. Stopped at old quarry, S. of New Bridge, Co. ME.

2.45 till 3.0 pm.

Swallows!

Andrena nigroaenea ♂♂ common.

A. jacobi 1 very fresh ♀ on Dandelion seen.

Also stopped several places on way home, but nothing seen or swept owing to keenness of the wind!

21st April 1933. A fine day, nearly all sunny when we were, not so cold. E-NE wind, light.

Drove to Ballyhenry & stopped at marsh beyond quarry as clouds over hills; after lunch on to Ballyclark, all Co. W1.

P.T.O.

21.4.33 cont. Ballyhenry Marsh, Co. W. 11.30 till 2.0 pm.

Bombus jonellus 1♀ at flowers of Gorse!

B. lucorum & B. muscorum ♀♀ seen.

Psithyrus distinctus ♀♀ seen.

Andrena albicans ♂♂ & ♀♀ seen.

Halictus calceatus ♀♀ & probably other spp. seen.

Dolerus [illegible] ✓ 1♂ swept along "hedge" in centre of marsh.

Small ♀ [illegible]

Bombyliid [illegible] large sp. on Gorse, small sp. on hawthorn [illegible]
= Sagaris sp. [illegible] Anglia sp. [illegible]

Sigalphus 1♂ at hawthorn bush.

Apanteles 1 swept in marsh.

Dacnusa areolaris several swept in marsh ; (very small ♀ [illegible]

D. [illegible] 1♂ swept in marsh N. of causeway & near cottage.

[illegible] ?

[illegible] [illegible] spp.

21.4.33. cont. Ballyluck marsh & oak-wood, Co. W.
2-30 till 4.30 pm. Mostly beaten off holly in wood!

Bombus lucorum 1♀ seen on Vaccinium, several ♀♀.

B. jonellus ♀♀ seen on Vaccinium.

Psithyrus distinctus ♀♀ seen. Andrena jacobi ♂.

Vespa sp. (? sylvestris) ♀♀ on Vaccinium.

Amauronematus histrio ♀, on ♂ Salix on edge of marsh, near dynamite house of quarry.

Dolerus ~~[illegible]~~ aeneus 1♂ in marsh, 1♂ & 1♀ beaten out of holly in wood.

Small [illegible] beaten out of holly [illegible] Pontania ♀ = Pontania leucaspis ♀ VRCLB.

[illegible] [illegible] VRCLB 1♂ beaten.

[illegible] [illegible] beaten out of holly.

[illegible] 3 beaten out of holly [illegible] Stenomacrus small pale ♀. Orthocentrus radialis 3♀♀

[illegible] ♂ & ♀ [illegible] beaten.

[illegible] 1♀ [illegible] beaten out of holly.

[illegible]

[illegible] ♂ & ♀ beaten out of holly

23rd April 1933. A showery day, after a wet night (the first real rain for nearly two months!): milder; considerable sun.
Drove to Ashford & then via Nun's Cross to Aghowle, there collected in valley for half an hour (=1) & on to Garryduff Cross-roads, there stopped for another half hour (=2): then on the Clara oak-wood (=3): All Co. Wi.
12 noon till 1-30.
Marshy valley at Aghowle (=1) & marshy field & willows by stream at Garryduff (=2), Co. Wi.
Bombus lucorum ♀♀. B. jonellus ♀♀ & ☿☿ on Salix.
B. agrorum 1♀ at 2.
Psithyrus quadricolor 1♀ on Salix at 1. B. distinctus ♀♀.
Andrena albicans ♂♂ seen.
Dolerus aeneus ♂♂ common at 1. D. oblongus 2♂ at 2.
♂ & ♀ [illegible] on Salix [illegible] at 2 = "Amauronematus sp. ♂♀ very close to viduatus & like a large Pontania". See R.C.L.P. in litt. dated 31.1.34. Benson in March 1936 considers this pair to be probably A. viduus, see letter of 19.3.36.
Ichneumon lugens ♀ at 1.

Dacnusa areolaris ♂♂ & ♀ at 1.

23.4.33 cont. Oak wood at Clara, above sand-flat & between latter & Cronybyrne river. Co. Wi. 2.0 till 5.0 pm.
Much sun, but several showers & woods wet.
Bombus lucorum ♀♀ & B. jonellus ♀♀ & ☿☿ abundant on Vaccinium.
Psithyrus distinctus ♀♀ frequent.
Andrena lapponica ♀♀ at Vaccinium.
Nomada tipida 1♂ on Salix.
Amauronematus histrio? 1♀ on Salix below sandflat.
" amplus ✓R.C.L.P. 1♀ beaten off Salix below sandflat. Nests Salix.
Xyela julii 1♀ beaten off Salix below sand-flat.
Pachynematus obductus 1♀. ✓ R.C.L.P.

Pimpla turionella ♂ seen & released.

Most either beaten off Holly or Ivy.

Stenomacrus ventralis ♀♀ beaten & released.

Phaeogenes scutellaris ♀♀ (CWB 1934)

Euphorus pallipes ♀ ? small.
Rhyssa [illegible] !

24th April 1933. A dull day, with S.E. & S.W. winds & heavy rain in Dublin all morning, after a very wet night. Although not at museum did not go out till 2-30 pm.: then drove to Golden Hill, Co. W'l, (near Blessington). On E. slope near summit of this hill, between 900 & 1000 ft. alt. is a larch plantation, with a few stunted Scots Fir & Spruce, with open glades. In one of these glades I took with the hand a ♀ Dolerus liogaster & beat a ♀ D. aeneus. Also beat out of Spruce & Scots Fir the following.

Bombus lucorum 1 very fresh looking, torpid, ♀
Vespa austriaca 1 torpid ♀, another seen flying
V. vulgaris several torpid ♀♀.
Pimpla maculator many ♀♀: not kept.
P. examinator 1♀, very black, hind tibiae all black except for small white ring.
Orthocentrus ~~fulvipes~~ radialis ♀♀ numerous.

—

When the day is considered this was a great haul & it is a curious fact that around this hill there was no mist & the woods were dry, while everywhere else the hills were shrouded in misty rain.

26th April 1933 aft. 2-30 till 5.0 pm.
Golden Hill, Blessington dt., Co. W'l, as on 24/4/33.
Very windy (S to S.E.), dull, misty rain at first, then fine, warm in shelter, several bursts of hot sun.

Andrena cineraria 1♂ clinging to rush in shelter belt on N.W. side of hill facing Tinode Ho. The first specimen ever taken by me in Dublin–Wicklow area as early as April!

Dolerus haematodes 1♀ in same shelter belt on rushes: taken by George.

D. liogaster 6♀♀. One of these swept off rushes in shelter belt with above: five taken amongst larch & Scots' Pine on E. side of summit of hill (all beaten out of conifers except one seen flying) where 1♀ taken on 24/4/33: one of these beaten by Miss G. C. Scott & another given to her.

Also 2 other ♂♂ sawflies (beaten out of larch) Pachynematus or Lygaeonematus sp.? See [illegible] in Lt. dated 31.1.34.
Blennocampa sp. ? "

About a dozen ichneumons beaten out of Pine & Larch (2 by Miss Scott).

Pimpla maculator ♀♀ common: none kept. P. examinator 1♀.
P. elegans 1♀. P. sp.? 1 very small ♂, simple front tibia: [illegible], but all femora yellow or between brown & not red!
Phaeogenes? ♂ off larch
Phygadeuon? 1♀ (Miss Scott).
Several [illegible] Phygadeuons.

Stenomacrus ventralis 1♀. Orthocentrus radialis several ♀♀ seen.

27th April 1933. A glorious morning & at 9.0 A.M. I saw 1 fresh ♀ Andrena jacobi sunning herself on a black-currant bush in garden at 14 Clareville Rd., Harold's Cross, D4, while several ♂♂ also seen darting up & down.

[First sawflies in motor house emerged on 23/4/33 (1 ♂ Pleronidea from Bundoff L., Co. SL.) & 26 & 27/4/33 (2 ♂♂ Pontania from bartsia at Bundoran, ED.] [Also 1 ♂ Apanteles from cocoons given me by Rev. K. M. Dunlop, of Athy, KD.

28.4.33. ♂ Angitia rufipes (or near this) taken in garden at Harold's Cross D4., examined & released: the first ichn seen in garden 1933.

30th April 1933. Very dull, chilly NE wind & gloom in Dublin, rain in places; fine, warmer, & almost sunny at times, but only a few minutes sun all day at Raheen.

Drove via Naas & ~~Kilcullen~~ Dunlavin to marsh by stream near Raheen, Co. Wi.; between Tynte Park & Carrigower Bridge, 6-7 miles N. of Baltinglass.

Bombus lucorum, jonellus (1), agrorum, muscorum & derhamellus (1) ♀♀ seen, but rare.

Psithyrus distinctus several ♀♀ seen.

Andrena albicans one or two ♂♂ & 1 ♀ beaten off Salix.

Swallows & Swifts at Harold's X in morning. Swallows, House martins, Whitethroat seen near Raheen. Cuckoo & Corncrake heard!

30/4/33 cont. Raheen, Co. Wi., cont.

Dolerus madidus 2 ♀♀. D. ~~[illegible]~~ nigratus 2 ♀♀.

D. possilensis 2 ♀♀, ¼ mile below bridge.

D. haematodes ♀ 2 ♂♂. D. nigratus, 1 ♂.

Loderus vestigialis 1 ♂.

Empria ♂♂ common in marsh about Spiraea.

[illegible] beaten off Salix 2 ♂♂ → 1 ♀ → = B. tenuicornis. ✓ RCLP. ~~[illegible]~~ Also Empria pumila ♂ ♀ ✓ RCLP.

Three sawflies beaten off Blackthorn. Hoplocampa rutilicornis 1 ♀?

One beaten off Salix.

[illegible] rapae 1 ♀? in marsh, also [illegible] 1 ♀

About 1 doz spp. of ichns, mostly caught in marshes.

Homocidus obscuripes 1 ♂: the first Bassid seen in 1933!

[illegible] brevicornis 2.

— some still unexplained forms!

Dacnusa areolaris ♂♂ & ♀♀ common. D. gilvipes 1 ♂ near bridge.

D. [illegible] 2 ♂♂ & D. lateralis 1 ♂ in drain at top of field.

Aspilota nervosa? ♂ & ♀ on one card, 4 ♂♂ & 1 ♀ on a second, 1 ♂ on a third. & [illegible] 1 ♂?

[illegible] 1 ♀? Aphidius 1 ♂.

Cynipid.

7th ~~April~~ May 1933. A fine day, after a wet night & heavy rain in morning, at 10 AM, following a wet & sunless week during which most of the local bumble bees must have been killed off. Not much sun till 1 pm., then very hot & late afternoon nearly all sunny but with cool north-easterly breeze.

Drove to Naas & stopped at canal just beyond the town (Limerick Bridge) on Newbridge road; then to Kilcullen, where spent an hour in marsh 3/4 mile E. of village; then on to Gilltown House, where collected along edge of shelter belt at south side of demesne for a few minutes; & finally on to marsh at Raheen, Co. Wl, as on 30/4/33. All other localities in Co. KD.

11-30 till 12.0 noon. Canal bank, N. of Limerick bridge, Naas, Co. KD. Mostly sunny; N.W. wind, strong.

Rhogogaster aucupariae amongst nettles, &c; in shelter of bridge.

Dacnusa areolaris 8♂♂ + ♀♀ swept along margin of canal: 1♂ kept only.

Aphidius 1♂

Antaeon sp.? 1 large ♂ swept off ditch, but crushed & thrown away!

7/5/33 cont. 12.45 till 1.45 pm. Some sun. Marsh 3/4 mile E. of Kilcullen, Co. KD.

Dolerus ♂ (? haematodes) .... D. ♀ (? same), very likely the ♂.

Angitia ? 1♀.

Bracon ♀. Aphidius ? ♂.

Chironomidae

Psocids

2.0 pm. Shelter belt along road at S. side of Gilltown House demesne, Co. KD.

Antaeon 1♂, very small, beaten off crab apple tree.

Hemiteles ? 1♀ beaten off blackthorn.

Rhogogaster aucupariae seen!

2.30 till 5-30 pm. Marsh at Raheen, near Carrigower Bridge, Co. Wl., as on 30/4/33. Much sun, cool N.E. wind: too windy for sawflies.

Bombus lucorum only 1 or 2 ♀♀ seen. B. agrorum ♀♀ seen.

Psithyrus distinctus a few ♀♀ seen.

Andrena albicans 1♂ seen.

Dolerus possilensis 1♀ in marsh N. of poplars.

D. oblongus 1♂(?) D. migratus, 2♀♀ in lower marsh (1/4 mile from bridge!)

D. haematodes, var., VR.CLP. 1♂ near bridge.

Rhogogaster viridis ♂ Tomostethus [illegible] ♀

7/5/33 cont. Raheen marsh, Co. Wl., cont.

Pachyprotasis vagans? 1♀ in marsh.

Empria tridens var? 1♂ swept. (R. C. L. ♂).

About six ichs swept along stream at "blackthorn grove", 1/4 mile below bridge.

Euphorus pallipes ??

Dacnusids, &c., also swept at stream side, unless stated otherwise

Dacnusa areolaris ♂♂ & ♀♀, some very large, swept everywhere in marshy places & by stream. None kept.

D. [illegible] 1♀ swept in marsh 50 yards below bridge & S. of stream.

D. [illegible] — Nixon agrees 9.11.1936. ANS. 4♂♂ & 3♀♀ swept at edge of stream, amongst Spiraea, Carex, Ranunculus, grasses & Geum Rivale.

D. [illegible] Pezomachus ?

1♂ swept with last. ♀ swept below bridge.

~~Aspilota fulvicornis~~ ?? large 1,♂ swept with last; with 31 jointed antennae.

G. nivosa? 2♂♂ & ♀

Bracon? 1♀.

swept just below bridge {swept on same day but ?♀ same sp. as ♂}

I now consider the ♂ is that of Coelinopsis because of the central longitudinal groove on mesonotum. In that I call the ♂♂ & the ♀ G. fulvicornis the groove is reduced to a mere trace of the normal "ante-scutellar groove". ANS 28.12.1934.

[illegible] ANS 9.37.

8th May 1933. A fine afternoon, after a shower at 2-30 pm, but very stormy (N.W.).

The Furry Glen, Phoenix Park, Co. Dn.

Bombus terrestris 1 fresh ♀. B. agrorum ♀♀.

Andrena albicans fresh ♂♂ & 1♀ seen. A. subopaca ♂♂.

A. cineraria ♂♂ seen, ♀ taken on east side of glen.

Nomada marshamella & probably bifida seen.

Dolerus aeneus ♂♂ & ♀♀ very common about pond.

D. ~~[illegible]~~ nigratus ♂♂ & ♀♀ near pond.

Rhogogaster aucupariae, very common amongst nettles, &:

Monophadnus pallescens ? 1♀, amongst nettles, above pond.

Cristiphora rufiornis (?) ♂ with crippled wings swept by stream under hawthorn, above pond.

[illegible]

[illegible] ♂♂ very common amongst nettles.

[illegible] ♂ [illegible] ♂.

[illegible] ? 1♂

Bracon ♀.

Dacnusa areolaris ♂♂, 1♀ swept, common. D. nigrata? of small blackish ♂♀ by stream just below pond

Aspilota [illegible] ? 1♀ [illegible] 2♂♂

Meteorus ♂ on nettles Sigalphus ? 1♂

8.5.33 cont. Furry Glen, Phoenix Park, Dn. cont.

Proctotrypoids.

Chalcids. One very curious yellow & testaceous ♀ with large cloud on wings, swept above pond near stream.
= Stenomesius rufescens Rossi fide Ferrière 1939.
See also Furry Glen, 20-8-1936, when 2 ♂♂ were taken! A.W.S.

10th & 11th May 1933. Fine evenings.

Garden at Mayfield, 14 Harold's Cross, Dn.

10th Bombus terrestris fresh ♀ on Ellis's apple blossom at 7.0 PM.

Small ich seen on ~~black~~ red currant.

11th. Bracon variator ♂; taken on black-currant behind tub.

12th May 1933. A dull warm afternoon, no wind, ending in drizzle in hills at 5.15 pm.

Slade of Saggart, Co. Dn.: above (=1) & below (=2) old bridge. 2.30 till 5.15 pm.

Dolerus liogaster 1♀ beaten off Salix by stream above bridge

Tenthredo atra 1♀ beaten off Sycamore at 1.

Empria tridens ✓RCLB 2♀♀ swept at 2.

Euura "saliceti ?" RCLB 1♂ off Salix at 1. (Benson)

Selandria flavens 1♂ at 2 in marsh: this has two left front tarsi one small, the other normal size!

Nematus lucidus 1 small, dark, ♂.

12.5.33 cont. Slade of Saggart, Dn. cont.

Zootrephes rufiventris 1♂ at 1.

Homocidus obscuripes 1♂ at 1, 1♂ at 2 in marsh.

A few other ichs swept at 1 or 2, or beaten off trees at 1.

Attractodes tenebricosus 1♂.

[illegible] 3 ♂♂ at 2, in marsh [illegible]

[illegible] Phoenix Pk. on 8/5/33.

[illegible] 2 ♂♂ [illegible] [illegible] ♂

Dacnusa areolaris ♂♂ & ♀♀, but not common: [illegible]

D. ~~[illegible]~~ 1♀ in marsh at 2. = "sp. of [illegible] group" Nixon 9.11.1936

[illegible] 1♂.

Gyrocampa affinis 1♂ at 2; G. uliginosa 1♂ by stream at 1.

Phaenocarpa conspurcator 3♀♀ at 1 & 2.

Aspilota [illegible]

Bracon [illegible] at 1 [illegible]

[illegible]

14th May 1933. A very fine day, all sunny, with slight E to NE breeze; but following a wet day & poor weather not so much out as expected & hardly any aculeates seen on The Murrough.

Drove to Newcastle, on the Murrough, & later on to Deputy's Pass, Co. W. Also stopped at Rocky Valley for a few minutes, but only 1 small ich., 1 Aspilota & Dacnusa areolaris swept in marsh, & the two former mixed with those from The Murrough.

With C. Wentworth Allen.

The Murrough, along railway, 1/4 to 1/2 mile S. of Newcastle Station, Co. W. 12 noon till 2.0 p.m.

Bombus muscorum a few ♀♀ seen. B. jonellus ♀♀ fairly common on Lotus flowers. B. derhamellus 1♀ seen.
B. agrorum a few ♀♀ seen.
Andrena albicans a few worn ♂♂ at flowers of Scilla verna.
Halictus albipes? 2♀♀ taken by Allen.

Pachynematus clitellatus 1♂ swept off grass.
Several Tryphonid ich. swept at same place off grass & 2 by Allen.

14/5/33 cont. The Murrough, Co. W., cont.
Pimpla [illegible] 1♂ swept.

Many small spp. swept off grass by railway or in marsh behind railway & along drain parallel to railway.

Aspilota nervosa? 1♂, 1♀, small form. A. districta? 1♂
A. n. sp.? (cf. maculipes Hal. but 2nd intercubital missing!) 1♀, 3♂♂.
Aspilota or Orthostigma? 1♂
Dacnusa areolaris frequent. none kept.
Diospilus 1♂
Apanteles
Phaenocarpa sp.? 1♀. Alloea contracta, 1 fully winged ♀.

Rhogas 1♀.

Promethes pulchellus ? 3♂♂

14/5/33, cont. Deputy's Pass, Co. Wl. ~~2.30~~ 3.0 - 5.30 PM.
Bombus lucorum, agrorum, lapidarius (on bluebells; Allen.) ♀♀.
Psithyrus distinctus ♀♀.
Andrena [illegible] ? 1 Allen
Halictus [illegible] ? Allen
Nomada flavoguttata, 1 fresh ♂. (given to Allen).

Pamphilius sylvaticus ? 1♂ swept near river.
Athalia 1♂ (first seen 1933).
Pimpla [illegible] 1♀ [illegible]
(on oaks: another on laurel seen).
[illegible]
P. maculator 1♂ on laurel
Schizopyga atra 1♂ on laurel.
P. sp. near [illegible] 1♀.

Polyblastus ? 1
[illegible] ? 1 Asthenara [illegible] ♂ AWS. 1961.
Mesoleius ? 2 M. [illegible] ♂?
Phytodietus 1 ♂.
[illegible] 2 ♂♂, [illegible] oak
Coelopisthia? 2 spp.
Orthocentrus ♂ Stenomacrus ? 2 ♂♂.
Exochus 1♂?

14/5/33 cont. Deputy's Pass cont.
Bracon ♂.
[illegible] 1♂ in [illegible] by river.
Aspilota nervosa ? 1♂

Andrena 2 spp., large ♂ [illegible] off Broom, in flower.

Scelio sp. ?? (brachypterous ex) swept.

16th May 1933. A fine evening
Garden at 14 Clareville Rd., Harolds X, D4.
Small black [illegible] 1♀ on [illegible] with Ellis' blackies.
= Entodecta pumila ♀ [illegible] (See note in letter dated 21.2.34)

Homocidus pictus, 1♀ on black currant at tub. 1st seen 1933
2 [illegible] spp.

Bracon [illegible]? 1♂?

17th May 1933. Very hot, dull, almost raining.
Aft. 3.0 till 5.0 PM.
Ponds by railway & right bank of R. Liffey
S.W. of Sallins, Co. Kildare.

3.0 till 4.15 pm. Margins of ponds (there is one at each corner of bridge!) at NE & NW corners (= 1 & 2 respectively) of first railway bridge on branch line to Naas, &c, S. of Sallins station, Co. KD. Labelled Ry. Sallins Co. KD. AWS 17.5.33.

Bombus muscorum ♀♀ frequently seen. B. agrorum, a few.
[no B. lucorum seen at all.]
Loderus vestigialis 1 ♂ at 2.
Tenthredo [illegible] ? 1 ♀ at 1 on Anthriscus sylvestris. First seen 1933.
[illegible] in Salix at 2, [illegible]
[illegible] sp. ♀ [illegible] ? 1 ♂

Gyrocampa uliginosa ♂♂ very common at one spot at 2, on Equisetum limosum &c.
G. affinis? 1 ♂
Chaenusa conjungens 2 large ♂♂ at 2, with G. uliginosa.
Dacnusa areolaris 1 ♂??
Aspilota [illegible] ? 2 ♂♂. Orthostigma ? pumila ? 3 ♀♀, small, all on 1 same card.

Bracon sp.

Aphidius

Apanteles
Phaenocarpa [illegible] ? 1 ♂ at 2, with G. uliginosa.
Euphorus ?? [illegible]

[illegible]

4.30 till 5.0 pm. Steep bank of R. Liffey, below road, just below "Coy Ford" (1" Ord. map!), about 1 mile above where main railway line crosses river, S. of Sallins, Co. KD.
Tenthredo "arcuata" 1 ♂ seen.
[illegible]
Rhogas circumscriptus 1 ♂.
Aphaereta [illegible] ? ♀♀.
Gyrocampa uliginosa 2 ♂♂.
Aphidius
[illegible] ♂ [illegible] ♂

All swept!

[illegible]

[♀ Bombus agrorum (1st 1933) seen in garden, Du., on raspberry, 19.5.33.]

20th & 21st May 1933. Evening of 20th ~~4th~~; morning of 21st ~~4th~~. Warm & Sunny! Garden, 14 Clareville Rd. Dublin, as usual!

Crabro varius first seen on 20th, ♂♂ only: also on 21st

Crabro leucostomus? or Pemphredon? seen on 21st

Andrena jacobi ♂♂ seen on 21st. Hemiteles [illegible] ♀ on 20th.

Allantus cinctus ♀ on 20th.

Odynerus parietinus ♂ in motor house trying to get out & evidently from nest in rafters where ♀ seen building in 1932 but did not complete nest.

Red-backed ~~Tryphonid~~ [illegible] in motor house on 20th: [illegible]

21st May 1933. An almost perfect day, till late afternoon, then showers & thunder about. Drove to Athy & south along river to Ardreigh House, then worked old sand-pit & marsh between road & river, Co. KD.; then to Tankardstown Bridge, then worked marshes, &c., above & below bridge on Queen's Co. side of river (right bank); then via Castledermot & Baltinglass, to George's Bridge, over the R. Slaney, near by Ballyhubbock, Co. WI. then shower at 5 pm. stopped collecting for the day. ♂ & ♀ sawfly taken in car by George between Kilcullen & Athy, Co. KD. ,=

Two sawflies taken in motor, in morning, on road N. of Athy, Co. KD.
= [illegible] ♂ and Pachynematus obductus, v. conductus + RCLP.

21.5.33 cont. Ardreigh, S. of Athy, Co. KD.
Old sandpit & field N. of road to Maganey & marshy field & drain-sides between road & river Barrow!

Bombus agrorum ♀♀ only seen. Labelled | S. of Athy, Co. KD. AWS! 21.5.33. |
Andrena saundersella 1♀ in sand-pit.
Halictus albipes 1♀ examined.
Nomada marshamella seen.
} No other aculeates seen!

Sphecodes [illegible] 1 ♀ in corner of field (N. of sand-pit).

Dolerus ferrugatus, ~~palustris~~ 1♂ ?, AWS. 7/12/33.
~~[illegible]~~
Abia sericea 1♂.
Tomostethus luteiventris seen: frequent.
Tenthredo "arcuatus" seen.
Tenthredella mesomelas seen.
Tenthredopsis ♂ & ♀ in sand-pit near each other!

Hemiteles [illegible] ♀ ??

Cryptopimpla blanda 1♀. ?. AWS. 7/12/33.
[illegible] ♂ [illegible]

21.5.33 cont. Ardreigh, Athy, Co. KD. cont.

Bracon swept in drain towards river.

Euphorus 3 amongst nettles &c in damp corner of field.

[illegible]

Apanteles

Gyrocampa affinis ♂♂ frequent in drain: 3 mtd

Dacnusa 1 ♂, very like last species, but with totally different thoracic sculpture (shallow!), crenate pleural furrow, & short radial cell.

21.5.33 cont. 1.0 till 3.0 PM.

Swampy margin of River Barrow, right bank, above =1 & below =2 Tankardstown Bridge (between Athy & Maganey!), Q.Co.

Macrophya punctum-album. A beautiful ♀ seen on small Ash tree beside where we stopped motor on bridge (above 1), seen by M.D.S. & caught by George. This is so far as I know the first example of the genus taken in Ireland.

Tenthredo "arcuatus" seen at 1.

Empria sp.? 1♀. See R.C.L.P. in litt. dated 3.1.34.

Monophadnus pallescens, large ♀. R.C.L.P. 17.9.34.

Zootrephus rufiventris ♂♂ at 1 & 2.

[illegible]

21.5.33 cont. Tankardstown Bridge, Q.C. cont.

Mesoleius 2♂♂ Spudastica 1♀.

Canidia balteata ?? 2♂♂

Bracon ♂♂

Rhogas 1♂.

Ichneumon reunitor : no doubt at willows at 2.

Opius? 2 examples

Diospilus 1♀.

Dacnusa areolaris a few ♂♂ only seen: 1 (? this sp.) with less strong pleural groove

D. gilvipes 1♂ at 2. D. ovalis? 5♀? (Nixon): both small [illegible] (named by [illegible] 3/10/33)

D. sp.? ♂ & ♀, near lepidus? D. [illegible] 1♂ (= [illegible] of Nixon 3/10/33)

Gyrocampa affinis 2♂♂. → one small ♂ with notauli partly developed! Chaenusa conjungens ♂♂: 6 mtd.

Aspilota [illegible] ; small ♂. [illegible] ??

Alloea contracta 1♂.

Coelinius 3♂♂.

The ♂ named "D. [illegible]" Nixon by Nixon, 9.10.1936. A.W.S.

66.

21.5.33 cont. 4.0 till 5.0 pm: then a shower!

Right bank of R. Slaney, above (=1) & below (=2) Georges' Bridge, where river leaves Glen of Imaal below Ballyhubbock, Co. Wi.

Andrena praecox ♀♀ (not my own) at a ♂ willow still in flower at N.E. corner of ~~field~~ bridge, on mound, above field.

A. sp. (? subopaca seen) in same place.

Nomada flavoguttata fresh ♂♂ with last.

N. ruficornis ✓ 1 small ♂.

Ichneumon [illegible] 1 at above willow

Oenone sp. beaten, but lost, out of same willow.

[illegible] ? sp. [illegible]

Pontania (Euura ?) 3 ♂♂ at willow; 2 sp.

[illegible] ♂♀ Hemiteles ?♀ 1♂

[illegible] ♀

Eupelmus pallipes ?

[all above taken at 1]

[" below " " 2 (swept in marsh at foot of 1st field or on willow by river.)]

Bracon 1♀.♂

Gyrocampa affinis ? 1♀. Aspilota sp. [illegible] 1♀. A. sp. 1♀.

Microplitis 1♀. Apanteles 1♂.

[illegible] ? 1♀

Hemiteles ? 1♂.

67.

Garden, 14 Clareville Rd., Dub. 21.5.33, evening.

Cladius pectinicornis 1♂.

Pimpla brevicornis ?, small ♀. Clistopyga incitator 1♂ (not kept) [illegible]

Mesoleius 1♂.

Oedematopsis scabricula 1♀.

do — do — do. 23.5.33 evening.

[illegible] like a Braconid!

Homocidus pictus 2♂♂. H. ornatus 1

H. [illegible] 1♀.

Mesoleius 1♂. M. 1♂.

25th May 1933. A cold blustery day with frequent showers from W. & N.W.

Drove Mr & Mrs Charles Oldham via Blessington & Wicklow Gap to Glendalough, then to oak wood 1 mile below Laragh; & home via Garryduff & [illegible].

Only collecting done was in Oak wood, by Avonmore & stream from Glendalough, where collected from 3-30 till 4-30 pm. Co. Wi.

No Bombus seen during the day: not even on Vaccinium in oakwood. Mostly beaten out of oak!

Dolerus aeneus ♂✓ 1♂ beaten out of spruce.

Mesochorus sp. 3♂♂. [illegible]

Exolytus 1♂.

25. 5. 33 cont. - Oakwood, below Laragh, Co. Wi. cont.
Hemiteles ♂.
Promethes cognatus 1♂, beaten out of Spruce.
Pygostolus falcatus (Nees) 1♀, off Hazel.
Rhogas circumscriptus 1? 1♂
Rhyssalus ?? ♀.
Eubadizon extensor ♀ 1♂

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26. 5. 33. Garden &c. 14 Clareville Rd., Harolds Cross, D4.
Aphidius .. 1♂ in kitchen.
.. .. ♂ & ♀ in garden (♀ on Rhamnus catharticus),
Empidae? 1♂ on Red Currant

27th May 1933. Garden, Harolds Cross, D4.
Mesoleius ♂ on White Currant.
[illegible] ♂ & ♀, latter at Ellis's lilac, former at White Currant.

Bombus agrorum fresh looking ♀ at Orchis purpurella in tub; & at Snapdragon, later on.
Vespa germanica or vulgaris ♀ seen (as on previous occasions, but not noted).
28. 5. 33. At 10 a.m. both ♂ & ♀ [illegible] outside at front [illegible] hedge.
29. 5. 33. Evening Mesoleius ♀ & Aphidius in back garden.

28th May 1933. An almost-perfect day: nearly all sunny, with gentle westerly wind (at Trim: E. in Dublin). Drove, with Palmer to sand-pit between Cross Keys & Batterjohn Big, on Trim road, Co. Meath, where met Charles Faris, of Cavan. Afterwards left them there & drove on to R. Boyne at Newtown Bridge, ½ mile below Trim (= Trim 1) & later down the river on right bank to railway bridge, 3 miles below Trim (= Trim 2).
Then back to sandpit & home.
Old disused sandpit, about a mile W. of Cross Keys, on N. side of road to Trim, Co. ME. 11 till 12.45 noon.
Bombus lucorum, agrorum & lapidarius ♀♀, a few each.
Psithyrus rupestris 2 ~~beautiful~~ ♀♀, very fresh (Faris in afternoon).
Ps. distinctus several ♀♀ seen.
Andrena jacobi ♂♂ & ♀♀. A. albicans several ♀♀, worn.
A. sericea ♂♂ & ♀♀ abundant. A. wilkella ♂♂ & ♀♀ common.
A. nigroaenea, old worn ♀♀ seen.

Halictus rubicundus, calceatus, albipes, freygessneri, & leucopus ♀♀ seen.
Sphecodes divisus, hyalinatus? & affinis? ♀♀.
Nomada marshamella ♀♀ common. N. goodeniana 1♀ (given to C.F.)
N. bifida common. N. hillana ♂♂ (?♀) very fresh.
N. flavoguttata ♂♂ seen & given to C.F.
Chrysis ignita, small ♂ seen.

28/5/33 cont. Sandpit at Cross Keys, ME. cont.

Tenthredella atra, temula, [mesomelas & ferruginea all pregnant.

Tenthredo "arcuata" seen.

Dolerus picipes, 1♀ & D. niger 1♂.

Tenthredopsis   black & red ♀, black ♂.

Small black sp. = Priophorus tener ♂ (V. R.C.L.P.)

Pamphilius hortorum ♂(?) on crab-apple & another seen on same tree

Catoglyptus fortipes ♂♂ abundant in long grass. &c.

Homocidus pectoratorius, very large ♂.

Pimpla similis? 1♀, taken by C. Faris in afternoon.

[illegible]

Exochus citripes? ♂

[illegible]   1♀.

Wood White Butterfly seen in sandpit.

Bracon sp. ♂

Rhogas circumscriptus

Procto.

Chalcid.

[On 28.5.1933 E. O'Mahony collected 13 hymenoptera for me on Bray Head Co. Wicklow, including: — Mesoleius sp. ♂, M.(?) sp. ♂, [illegible] sp. ♂.
[illegible] 2♂♂   [illegible] sp.? 1♂, Bracon sp. 3♂♂

Aphidius ervi? 1♀ 1 2♂♂ 2 sp.

Also 1 Proctotrypid

28th May 1933 cont. 1.0 till 2.30.

Left bank of R. Boyne between ruined abbey & river, just above Newtown bridge, Co. ME, unless otherwise stated! [= Trim I.]

[No aculeates of interest seen!]

Tenthredopsis [illegible] 1♀ beaten out of hawthorn on right bank of river.

Hoplocampa pectoralis, 1♀ with last on right bank just above bridge.

[illegible] ♀ 1♂ } Swept in marsh by river.
[illegible] ♀ 1♂ }

[illegible] sp.? {See R.C.L.P. in litt. dated 31.1.34} 1♀ swept in marsh by river.

[illegible]

Leptocryptus ♀.   ♂ Cryptus

Homocidus bizonarius 1♂

[illegible] 1♂.

Stenomacrus 3♂♂ 1♀.

[illegible]

[illegible] ♂

Bracon [illegible]   [illegible] ♂

[illegible] 1♀

Coelinius 1♂. Chaenusa conjungens ♂♂ by stream & river.

Gyrocampa uliginosa ♂♂ & small ♀. Dacnusa [illegible] ? 1♂ & D. areolaris.

Aphidius

[illegible]

28th May 1933 cont. 2.45 till 5.0 pm.
Railway banks, pond margin, or at larch, sycamore, or oak trees at E. end of viaduct over R. Boyne, Co. ME. [= Trim 2].
Aculeates not particularly watched, but at sycamore the following seen or taken:–
Andrena jacobi, Nomada marshamella, Crabro dimidiatus ♂♂ abundant, C. palmipes ♂♂ [& probably C. leucostoma also].
Pemphredon lugubris 1♂, given to C.F.
Tenthredella atra, temula & mesomela abundant.
Tenthredopsis ♂♂ seen. Lodeus vestigialis 1♂.
Lygaeonematus laricis? 2♂♂ at larch, & Dineura stilata? 3♂♂: all at larch, but 1 at sycamore).
Leptocryptus 1♂.
Exochus citripes Thom.? ~~gibbus~~ 3 at sycamore.
Triclistus globulipes? 1 at small sycamore near oak.
Glypta ceratites 1♂ (1st seen 1933). Clistopyga incitator 2♂♂ at sycamore.
[illegible] cingulator? 1♀.

Good Kite seen here also!

Orthelopus? 2♂♂ 1♀ Opius. (? [illegible] by pond.
Gyrocampa Opium?? 1♀ [illegible] (
Nixon (in litt 3/10/33) says to include the [illegible] ♀

30th May 1933. A fine day, with much sun, spoiled a little by strong gusts of wind off hills & followed by heavy rain & broken weather.
Deerpark, Powerscourt, Co. W., with E. O'Mahony.
Left car on drive opposite sawmill & worked up river & tributary towards the reservoir & back below cliff to deer shed near fall & then to car. 11.0 AM till 6.0 PM.
Bombus lucorum 2 or 3 ♀♀ alone seen.
Halictus 1♀, probably, freygessneri, seen. Andrena clarkella 1♀ seen.
Vespa (vulgaris?) 1 or 2 ♀♀ seen. [No other aculeates].
Tenthredella atra, mesomela, livida & ferruginea seen.
Tenthredopsis ♂♂ frequent, only 2 ♀♀, black & red, & dark testaceous, brought home.
Dolerus haematodes 1♂ & D. niger 1♀ ~~[illegible]~~ ~~♂~~ in upper marsh below reservoir. D. bimaculatus 1♀ swept in usual marsh opp. saw-mill.
D. aeneus several seen. D. gessneri several beaten.
D. ferrugatus 2♀♀ in marsh-flat, E. of river, & below shed for deer, near fall, where ♂ believed taken in 1926!
Loderus vestigialis 1 dark var. of ♀.
Dineura virididorsata 2♀♀, beaten out of birch.
Thrinax macula 1♀ E.O'M. Platycampus luridiventris 1♀.
Selandria ~~[illegible]~~ furstenbergensis? 2♂♂ ♀ v R.C.L.P. E.O'M. Amauronematus? [illegible]? [illegible]
Several [illegible] of [illegible] [illegible] out of oak, [illegible] = Fenusella [illegible]? 1♀

Pristiphora melanocarpa? 1♀
Arge fuscipes 1 fine ♂ beaten out of oak or birch.

74.

30/5/33 cont. Deerpark, Powerscourt, Wi, cont.

Pimpla [illegible] 1♂

Ephialtes tenuiventris; 1♂, probably beaten out of oak.

Rhyssa persuasoria, tiny ♂, only about 10 mm. long, beaten off oak.

Xorides ?? 1♀ swept by F.O'R. under birch I had just beaten (beside where car left!)

Xylonomus ~~pilicornis~~ irrigator F ♂♂ flying round bored stump by ruins above saw mill. [NB. All my Irish Xylonomi previously logged as pilicornis are really referable to irrigator. Dr. Perkins: Devon specimens are pilicornis AWS 19.12.33]

Helcostizus (= Brachycentrus) brachycentrus ~~[illegible]~~ 1♀, beaten (off oak?).

Cratichneumon annulator ♀♀ frequent.

[illegible] ♀ taken by F.O'R. with [illegible]

[illegible] [illegible] ♂♀.

(75.

30.5.33 cont. Powerscourt-deerpark cont.

Paniscus 3 (2♂♂ 1♀)

Atrychtus luteus? 1

[illegible] [illegible] ♀. [illegible] sp. 1♂ [illegible].

[illegible] sp. ♂ ♀ [illegible].

Orthocentrus protuberans ♂♂ 1♀. Stenomacrus sp. [illegible] 1♀. S. sp. 2♀♀

Homocidus pectoralis ♂♂♀.

Plectiscus sp. ♂ ♀ [illegible].

Mesoleius? large ♂♀, [illegible] small ♀.

[illegible] ♂♀, [illegible] [illegible] below the Long Hill.

Bracon 1 Rhogas

Meteorus 2 [illegible] sp. [illegible] 1 2

29th May 33. On this date Charles Faris reports having taken a ♀ Bombus distinguendus in a sandpit 1 mile on Dublin side of Kells, Co. Meath.

30th May 33. Saw one ♀ Bombus terrestris in front garden at 14 Claremount Rd., Harold's Cross, Dublin. And a ♀ in back garden on 1st June.

2nd June 1933. A perfect evening: very hot & soft: sunny.
Garden at 14 Clareville Rd., Harold's Cross, Du.
6-30 till 7-30 PM. Mostly at White or Red Currant.

Pteronidea ribesii? ♀ seen, not captured.

Pristiphora pallipes 1♀ √R.C.L.P. on white currant.

Hoplocampa crataegi √R.C.L.P. 1♀ on white currant on wall next road.

Pimpla maculator ♀ on Ellis's lilac; not kept.

Homocidus fissorius 1 fine ♀. H. pictus ♂♂ & ♀♀ (4).

H. [illegible] ♀ [illegible] all things!. H. [illegible]! 1 & ♀

Mesoleius ♂♂ & ♀. Mesoleius ♂♂, ♀.
both on white & red currants.

Leptocryptus ♂ on lilac.

or Cryptid

Campoplegid large black ♀, long tube, on lilac

" small ♂ on white currant.

Oedematopsis scabricula 1♀.

Aspilota nervosa ♂ seen in motor house, not taken.

Apanteles ♂ on white currant.

Cryptid on white currant.

Bombus terrestris 1☿ on Columbine at 5.15 pm.

B. lucorum? 1☿ on juniper. B. jonellus 1☿ on M. heath at 5.15 pm.

Crabro varius abundant. C. leucostomus several seen.

Vespa 1♀ seen (vulgaris or germanica).

4th June 1933. Very hot, soft, & almost all sunny, with slight southerly breeze.

Drove to Ballyhenry & spent half an hour in marsh between main & Killoughter roads; then on to top of Clara oak wood, where spent day, Co. Wi.

11.15 till 11.45 AM.

Marsh S. of Ballyhenry, Co. Wi.

Dolerus palustris ♂♂ abundant along E. drain.

D. haematodes 1♀ Tenthredopsis "coccinata" 1♀

Loderus vestigialis 1♂ black form. ?√

Empria ? 1♂. See R.C.L.P. in litt. dated 31.1.34.

Pontania ? 1 large ♂

Glypta elongata 1♂, 1♀ in field E. of main marsh.

Cryptus large ♂ with white marks; antennae broken.

Mesoleptus 1♂

78./ 4.6.33 cont.

12.30 till 6.0 PM. Clara oakwood, Co. Wl.
Mostly collected around the Osmunda glade & between that & the Crony Burn!

Bombus muscorum ♀♀ seen. B. lucorum ♀♀ seen.
[Vaccinium over & no jonellus seen!].
Psithyrus quadricolor several old worn ♀♀ seen (1 taken) & several fresh ♂♂ seen (1 taken in upper wood).
A few aculeates seen on sandflat: now nearly destroyed by dragging timber across it.
Vespa austriaca ♀ seen in glade.

Xylonomus ~~pilicornis~~ irrigator F. ♂♂ & ♀♀ abundant at small dead, standing, tree stumps (3" to 6" diam.) S. of glade.
Xorides albitarsus 2♂♂, 3♀♀, taken; others missed, at same stumps as last. On these stumps Rhagium bifasciatum common & Priobium castaneum seen: also many small Tipulid like diptera whose flight is imitated by the ♂ Xylonomus! ♂ + ♀ given to J. F. Perkins.
Pimpla (Del.) mandibularis? 1♀. P. maculator ♀

Stilpnus gagates ♀!
Hemiteles? 2♂♂. [illegible] ♀♀, 1♀?

4.6.33 cont. Clara oakwood cont. Wl.
Paniscus ♀
Campoplex 3♀♀. Mesochorus pale ♂.
Stenomacrus flaviceps 1♀ v AWS 20/12/33!
Promethes pulchellus? 1♂. Promethes sulcator 1♀
Erromenus brunnicans? Tryphon signator? ♀.
Mesoleptus [illegible] black

Dacnusa semirugosa? 1♀ just east of glade by stream
D. laterculus? dubia? 2♀♀ one in swamp at S. side of glade, other with last.
Aspilota 3 ♀♀. (2♂♂, 2♀♀)
Aphidius aphidivorus, singly ♀ taken by George on [illegible] at funnel, on bank of burn below sandflat & above Crony Burn.
Aphidius [illegible] ♂.
Opius? 2 ♂
[Bracon ♂. ? Now seen after labelling!]

Procto. with red kidney-shaped abdomen swept by stream E. of glade.
5 other Procto.

? Chalcid.

7th June 1933. A scorching day & very hot & sultry in evening! 7.0 till 9.0 PM.

Semi-dry ponds, with sedges & horse-tails, &c, by bridge over Naas, banks of railway, just S. of Sallins, Co. KD; as before.

Dolerus palustris 1♀ [illegible] oligospila, 1♂ on Salix.

Pristiphora [illegible] ♀ seen. Bombus derhamellus 1♀, muscorum agrorum & lucorum ♀♀.

[illegible] 1♂

Exochus ♂ Cryptus ♂.

Hemiteles [illegible] ♀.

Gyrocampa uliginosa ♂♂ abundant as before, 1♀ only taken.

G. affinis 1♀?

Dacnusa sp.? 2♀ – the 29-jointed & the other 30-jointed antennae. [illegible] {= Dacnusa curtipalpis, Nixon! Returned by Nixon so named 9.11.1936. A.W.S. One with 29-jointed antennae subsequently given to Nixon. A.W.S.

Phaenocarpa spp. (specimens [illegible]) ([illegible] 2♀?)

Pentapleura pumilio? 1♀. Aspilota ♀

Ademon decrescens 1 (♂?). AWS. 21.12.33: compared with Haliday specimens!

Braconid one ♂ B. [illegible] ♂

[illegible]

Aspilota? 1♀.

[illegible]

[illegible]

9th June 1933. Cooler, with keen breeze, NW.
2.30 till 5.0 PM with John F Perkins.

Glencullen (Knocksink), wood & open glade, Co. Wi.

Tenthredella temula ♀. Other spp. seen: not noted. Athalia seen.

Selandria [illegible] 1♀? Black ♀. = Empria sp.? (See [illegible] 31.1.34)

[illegible] Cryptids.

[illegible] ♀. [illegible] 1♂.

Pezomachus ♀. Hemiteles? small ♀.

Promethes sulcator 1♂ Promethes cognatus ♂ & ♀ 1♀

Mesoleius ? Tryphon? ?

Plectiscus — [illegible] of stream in wood.

Aspilota 1 sp.

Pentapleura? 1♀.

Dacnusa sp. 1♀. cf. [illegible]

Braconid

Red Admiral seen in glen!

[On 8.6.1933 E. O'Mahony collected for me 9 Hymenoptera, near [illegible] at the S end of The Mullet, West Mayo, as follows: — Pristiphora pumicornis ♀, Bethylus cephalotes 1♀, [illegible] anceps 1♂, [illegible] 1♂, Exochus sp. 1♂, 1♂ like a Polyblastus, [illegible] sp. ♀, [illegible] ♂ & [illegible] ♂. AWS.]

10th June 1933. Afternoon. Windy (NW), cool, mostly dull but some sun. Few insects out. 3.0 till 5.30 P.M. Upper (NW) end of Glending, Co. K.D. (between Rathmore & Blessington!) Most insects taken by sweeping rushes &c in swamp round pools W. of road above glen (=1); but some beaten off oak in woods after tea (=2). With J.F.P.

Bracon fulvipes? ♂♂ & ♀♀ abundant at 1. Bracon [illegible]? ♂ at 1.
Euphorus or Meteorus? ♀ at 1. Microplitis [illegible] at 2 ♂♂ at 1.
Opius? at 1 (2♂♂). Blacus ruficornis? ♂♀ at 2.
Dacnusa [illegible] ♂♂, ♀ at 1. D. lateralis?? 1♂ at 2. D. [illegible] ♀, [illegible]
D. [illegible] ♀ at 2. ? 1♂ is huge!
Aspilota 2♂♂ at 2. Pentapleura? ♀ at 2.
Gyrocampa affinis? 1♂ at 1, ♀ at 2. G. [illegible] 1♂ at 1.
Chorebus [illegible] at 1.
Aphidius at 1 (3♂♂)
Gen. et sp.? ♀ at 1, 2 ♀♀ at 2, near Bracon.
Meteorus ♀ at 2. Ascogaster 1 at 1
Aulacus? sp. ♀ taken by J.F.P. at 2 (near A. rufipes? (Bull.) Hal.
Stenomacrus morio Holmgr.? 1♂ at 1.
Dolerus haematodes ♀ (R.C.L.P.) 1♂ at 1. Allantus [illegible]?? 1♀ at 2.
Bassus deletus Thom. 1♂ at 1. in ditch Promethes [illegible] ? at 1? P. sulcator 1♂ at 1.
Glypta elongata ♂♂ & ♀, at 1, from J.F.P. Hemiteles [illegible] ♀ at [illegible].

11th June 1933. A showery morning, leaving everything wet, but gloriously fine & warm in afternoon. Birch scrub below Kippure Lodge 11.0 till 12.0 noon (=1) & scrub at both sides of "foot-stick", Athdown, Co. Wi. 12-30 till 5.0 p.m. (=2) Later walked over to Ballylow Brook, where Rhyssa persuasoria reported by C.O. & collected a few Dacnusa &c by sweeping grassy drain by roadside (=3). Others collected by George (Rafelton? J.M.S.) at oak between foot stick & Ballylow Brook, S. of 2. With Mr & Mrs Charles Oldham, & J.F.P.

Bombus agrorum ♀♀ & ☿☿; B. lucorum ♀♀, a few only seen
Andrena cineraria, fucata & [illegible] ♂♂ seen.
Nomada flavoguttata ♀ taken by George, at 2
Crabro palmipes ♂♂ at 2.
Vespa rufa ♀ seen at post at 3.

Pamphilius sylvaticus? on hazel leaf by path down to bridge at 2.
P. latifrons? on hazel by stream on rt. side of river just above bridge at 2. Both taken by J.F.P.
Tenthredella mesomelas, atra, ferruginea & balteata common at 2.
T. moniliata? A fine ♀ in marsh on left bank of river 1/4 mile above bridge at 2: seen to settle on grass or reed & caught

Tenthredo arcuata a few ♀♀ seen at 2

[illegible] wood 11.6.33.

Dolerus gonagra ♂ ~~[illegible]~~ 1♂, 1♀ at 1st fence above gorge on left bank of river (foot of wood). at 2 — ✓ R.C.L.P. Smaller & redder legs than usual. A.W.S.

Loderus vestigialis ♂♂, with larch at 2

D. aeneus seen. D. nigritus ♀ seen. D. niger (J.F.P.)

Pteronidea miliaris ?? ♀ caught in wood on Salix, ♂ at 2.

Pt. [illegible] ♂ (✓ R.C.L.P.) at 2

[illegible] [illegible] ♂

[illegible] ? 2 ♂♂ [illegible]

[illegible] [illegible] ♂ & ♀♀ (George)

[illegible] ♀ (George)

Cryptids 3 and ♂♂ 2 spp.

Pimpla ? ♀ at 2.

Glypta trochanterata ♂♀ at gorse, on whose "Microleps." J.F.P. says it is parasitic at 2 (JFP) & 2 (AWS)

Glypta elongata ♂♂ & ♀♀ at 2, (all given to J.F.P., except 1 male and ♂).

Colpognathus quadrimaculata 1♀ at 2. Polysphincta madida ♂ (at 2).

[illegible] [illegible] ♀ at 3.

Stenomacrus [illegible] ♂ & ♀ (George). [illegible] [illegible] ♂.

S. [illegible] ? 2♂♂

Homocidus [illegible] 1♂ (?, 2nd). H. alpinus & H. [illegible] } 1♂ each at [illegible] just below bridge over [illegible] glen.

H. pallipes ♂ (George) Promethes pulchellus, very small & dark ♀ (at 2)

Ernomena? black sp. at Salix — field at 2, left bank.

E. ? black & red sp. in wood at 2

Tryphon & Mesoleptus ?? spp. in marsh at 2. {[illegible] & parasites ?? 2.

Bassus — caught in wood at 2.

[illegible] ♀ (George) & 1♀ (AWS). Mesoleius 1♀, 1♂ 2 spp.

[illegible] ? 2 spp.

[illegible] wood 11.6.33.

Meteorus albiditarsis ♂ flying round [illegible] on [illegible] of left bank & m. of 2 (George)

Rhogas circumscriptus ♂ at 2, ♀ at 2. [illegible] at 2.

Eubadizon extensor ♀ at 2. [illegible] ? 1♂ (George)

Dacnusa — Euphorus sp.? at 2.

Opius at 2 — [illegible] ? (or Alysia) 2 ?

Bracon [illegible] ? — B. black sp. ♀ at 2. B. black ♂ at 2.

Apanteles 2 spp. — Apanteles ♂ at 2.

Microplitis ? & ♀♀ — Microgaster sp. 1♀ (George)

Chremylus rubiginosus 1♀.

[illegible] [illegible] at 2 & 3. D. [illegible] [illegible], without [illegible] & [illegible]

Aphidius "rosae"? ♀ at 2

Adelura aff. dictynna Marshall. 1♂, with 52 jointed antennae. A.W.S. 23.9.1933.

Ocnone ? at Salix in field above left bank of [illegible]

[On 11th June 1933. J.A.J. Palmer went to Skerries, Co. Dub., & found Andrena cineraria ♂♂ & ♀♀ very common & nearly over! Also brought me 3 ichn. from the North Bull, Dublin:-
taken on 10/6/33]

12th June 1933. Liffey Head, Co. Wi., 1700-1800 ft alt.
Misty rain almost all day, except for two short intervals about 12 & 2.0 pm., after a fine morning. Most insects collected on surface of pools!
12.0 Noon till 5.0 pm. With J.F.P.
No aculeates seen!
Tenthredo arcuata, Strombocerus delicatulus, & Strongylogaster lineata, on surface of pools.
Dolerus aeneus 1♂ except (J.F.P.)

Glypta elongata? 1♂, given to J.F.P.
G. parvicaudata ♂♂ & ♀♀, mostly on pools, & all given to J.F.P., except one ♂ with blackish hind tibiae & 1♀.
Campoplegid with banded abdomen ♂♂ & ♀♀ very common at bottle [illegible]
= Nepiera concinna.
[illegible] crenulatus 1♀.

Stenomacrus curvicauda Hr. 2♀♀ taken on pools by J.F.P.
S. vestitus 1♀ (J.F.P.). S. [illegible] 1♀
Picrostigeus ?? sp.? 2♀♀.
Aspilota. Microphilus? ♂♀
Dacnusa ♂ & ♀♀ Melanus ♀♀ Opius ♀.
Eclinia ♀. Phaenocarpa livida 2♀♀♂♀. Aspilota
AWS. 23.9.1933.
Gyrocampa affinis ♀. Dacnusa areolaris ♂ & ♀, very small. D. [illegible] ? 1♂!
very small, [illegible]
= [illegible] 1934

13th June 33. Liffey Head, Wi., cont.
Splendid morning, turning dull at 11.0 AM, but mild sun & warm in afternoon, (though dull all day in Dublin).

Drove again to Liffey Head (=1), Co. Wi., with J.F.P., but sun already gone & chilly wind; after about 1½ hours there, drove on, but stopped near Sally Gap (=2), for blink of sun & took several ichn.; then on to Ballysmuttan bridge (=3) above bungalow, where had lunch & tried to collect by beating (net left at home to dry!) but wind & sun too strong & caught little here, though many ichn. (Bracon ?, ♂!, flying below bridge.) After lunch drove on to Deputy's Pass, Wi., where spent afternoon; very sunny but little out!
11.0 AM till 12.30 PM. Alt. 1600 to 1800 feet.
Liffey Head (=1), near Sally Gap = 2, Ballysmuttan Bridge, = 3, Co. Wi.
Ctenichneumon? ♂, with long yellow ring on antennae in pool at 1.
Campoplegid with banded abdomen at 1 & 2. = Nepiera concinna!
Perilissus rufipes at 2.
Hemiteles 2 exs. like "subzonatus" ichn., beaten off spruce at 3, but these very.
Collyria 1♀ at 1(2). Stenomacrus 1♀ at 1(2)
♂ Cryptus at 3 (?)
Microgaster? 1 at (3).

Hoplocampa alpina 1 taken at 3 by J.F.P. [Gen & sp.? ♂ seen at [illegible] AWS]
Tenthredopsis red ♀ beaten out of spruce at 3.

88.

13.6.33. [illegible]. [illegible] Pass, Co. Wl

2-30 till 5-30. Sunny, but very few insects out, & having no net was almost helpless!

Pamphilius [illegible] caught by hand at foot of garden, on [illegible].

Pompilus spissus 2 ♂♂ ~~[illegible]~~ (rather worn) on bare slope on S(W) side of pass.

P. gibbus 1 ♀ with [illegible], very fresh.

Apanteles ♀ ♀ Aspilota

Opius 2 ♀♀

Pezomachus black ♀, with P. spissus!

Glypta similis ♀ J.F.P. Meniscus catenator ♀ J.F.P.

Swept with J.F.P. [illegible]

89

14th June 1933. Mainly dull, very warm, slight breeze (W).

Slade Brook, Upper Glenasmole, Co. Dublin. with J.F.P. who left some early.

2-30 till 5.0 PM. Not many insects about!

Tenthredella atra, balteata, ferruginea seen, & mesomelas.

Rhogogaster viridis very common. Small black [illegible] & [illegible] spp., swept off Salix. Pontania? pedunculi ♀?

Vespa norvegica ♀ taken.

Crabro dimidiatus ♂.

Antaeon? large ♀ swept off Salix, (? var. of rufipennis (Dahlb.) Hal.).

Ichneumon (or Amblyteles) large ♂ swept off Salix.

Ichneumon extensorius ♂?

Mesoleptus ♂? many [illegible] on bracken with [illegible]

= Mesoleptus [illegible]? 2 ♂♂. [illegible] of [illegible]? [illegible], [illegible]. [illegible] ♂ ♀

= A. (Ragerus) niger Grav. fide J.F.P. in litt. 5.9.1937 & should be parasitic on Strongylogaster Cingulatus

Stenomacrus ? of flavipes ♂ ♀

Stenomacrus 2 ♂♂ Exyston cinctulus ♂?

Homocidus pectoratorius, very large ♂ & ditto ♀, taken at same bush of Salix.

Promethes sulcator? ♂ (? a small dark specimen, with almost black face!)

Mesoleius [illegible] ♀. [illegible] ♀? small ♀ Helcostizus ♂

Plectiscus ♀. Cryptus? ♀ Bracon [illegible] ♀

Microplitis? ♀ Bracon ♀ ♀.

Euphorus? Apanteles. Aerophilus suffuscatus [illegible] swept off Salix.

Dacnusa areolaris, ♂♂ & ♀♀ small, not [illegible], but 1 ~~[illegible]~~ small ♂ [illegible].

Gyrocampa uliginosa 1 ♂.

90.

11th till 15th June. Various items.

Megachile willughbiella, just ♂ definitely seen (in back garden, Harold's Cross, Dublin, on 12/6/33. Others probably seen in front garden two or three days earlier.

Currant Clearwing Moth. Two caught in garden on 15.6.33 at 10.30 AM, in my [illegible]

Plusia gamma seen at Campanula, in back garden, on 14.6.33.

Rhodites eglanteriae 1♂ hatched out of [illegible] which brought from Laundry glen earlier in year & given to J.F. Corkin on 11.6.33. Another ♂ out on 13.6.33.

~~16th May 1933. Garden, 14 Clareville Rd, Dublin:— Bombus lapidarius 1♂~~

Polyclistus mansuetor 1♀(?) in pan of house W.C. after flushing! 15.6.33.

91

18th June 1933. A hopeless day: gale all day & heavy rain till 2.0 pm., then too frequent showers to collect.

Drove to Cobbs Lodge, upper Glenasmole, Dublin in morning, but too wet to leave car. In afternoon drove through Phoenix Park to field in R. Liffey (below Lucan?) just below entrance to Luttrellstown House (= Woodlands) Co. Dublin (=1) where, collected in roadside & bank of river about 4 ichns & 1 Apanteles; afterwards to Royal Canal, below Blanchardstown, Dublin (=2) where stopped a few minutes. Sun hot at both places.

Dyspetes praerogator 1♂ at 1, ♀ at 2. First seen 1933.
Cryptus ? ♀, black legs, swept off Burdock at 1.
Pimpla maculator ♀ at 2. Pezomachus ♂ at 2.
Campoplegid ♂ at 2?
Apanteles ♂ at 1.

19th June 1930. A lovely evening.

Saw or took in Garden, 14 Clareville Rd, Dublin:— Bombus agrorum, lucorum, & terrestris ♀♀. Vespa sylvestris ♂♀. Chrysis ignita. Odynerus pictus ♂♂ & ♀. Crabro varius. Crabro clavipes ♀♀. Pemphredon shuckardi.
Homocidus flavolineatus 1♀ on Red Currant. H. tarsatorius 1♀ on [illegible]
[illegible] ~~H. pictus~~ on Black Currant, mellow: also larger ♀, ? same sp.

92

20th June 1933. A perfect afternoon & evening: E. breeze.
Garden, 14 Clareville Road, Dublin. Evening.
Bombus lucorum, fresh ♂ running on wall at 8 P.M.
Odynerus pictus many ♂♂. Chrysis ignita &
Crabro varius many till ca. 7.30 P.M., none seen after.
Ephialtes troglodytes one ♀ running up clothes line post
next Ellison's wall at 6.0 P.M. [Another ♀ taken on
same post on evening of 22/6/33 & 3 ♂♂ on Rhamnus on evening
of 25.6.33.]
Bassus laetatorius 1 ♀ at Whit Currant.
Homocidus ornatus, (large ♂?) at Whit Currant
H. " ♂ at same, black abdomen, red tibiae.
Mesoleius ♀ at same.
Campoplegid ♀ at Rhamnus.

Ascogaster rufidens (♂?) at Ellison's lilac.
Apanteles — ♀ at Whit Currant.

Flies from woolly galls on oak taken near Trim, ME.
on 28/5/33 found in outer box. 20.6.33.

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21st June 1933. A fine sunny afternoon, but cool N.
breeze kept insects hidden till about 5.30 P.M. After that
more out.
Gorge of upper Liffey at Athdown footstile, Co. W., as before.
3.30 till 7.30 P.M.
Many ♂♂ bees seen by path from road, mostly
Andrena wilkella, which were flying in dozens.
A few ♀♀ Halictus seen at same place, probably albipes
or freygessneri.
Nomada flavoguttata 1 ♀ seen.
Tenthredella spp. not so common as on 11th June &
mostly balteata. Rhogogaster viridis still abundant.
Strongylogaster delicatulus: many seen on ferns.
Dolerus niger 1 fine ♀ swept in marsh above gorge.
D. aeneus ♂♂ seen. Tenthredopsis inornata 1 ♀, ♂♂ seen
(sp.?)
Selandria stramineipes 1 ♀ on bracken.
Pachyprotasis rapae ♂♂ 1 ♀ in marsh.
~~Amblyteles~~ or Stenichneumon sp.? 1 ♂
Ichneumon red 1 ♀
4 Cryptids, pinned

also
Hemiteles? 2 ♂♂, 1 ♀, swept.

P.T.O.

21.6.33 cont. Ashdown, W1. cont.

Meniscus catenator 2♀♀ (one at head of rush in marsh).
Lissonota 1♂.
Glypta ceratites ? 1♀ at bracken. G. elongator ♂♂ & ♀♀ seen in marsh.
Pimpla brevicornis ? 1♂.

Mesoleptus "typhae," 5♂♂ in swampy place in marsh
Tryphon [illegible] [illegible] on top of left bank [illegible]
= Tryphon signator 2(1♂, 1♀). T. subsulcatus ?? 1♂.
Catoglyptus (Stiphrosomus)? montanus ?? 1♂. Perilissus filicornis 1♀.

Polysphincta resplendens Holmgr. VANS 13/4/34! ♀. Very black & polished, legs [illegible] with red legs, [illegible] taken flying round birch on top of left bank & mistaken for [illegible] ♀.

Chorinaeus funebris ♂♂ 2 flying along top of left bank.
Promethes laticarpus ♂♂ in swampy parts of marsh.
P. sulcator (black base to hind coxae) 1♂ Homocidus pectoralis 1♂.
Exyston cinctulus ? 1♂ at top of left bank.
Cteniscus ?sexlineatus ? 1♀ 1♂ on Salix in marsh & on birch (2)
[illegible] on Salix in marsh [illegible], black, cf. punctulatus Hlg.

21.6.33 cont. Ashdown, W1. cont.

Bracon fuscipes 2♂♂. } fuscicoxis 2♀♀. } swept in marsh.

Apanteles 2 ♂♂ {not in same cond.?}

Microgaster (♀♀) 2 by path down from road.
Microplitis ? in marsh.
Euphorus pallidipes 2♂♂, in marsh.
Phaenocarpa conspurcator? 2♀♀ swept in marsh
Dacnusa [illegible] ♂ ? in marsh [illegible]
Oenone ~~[illegible]~~ ringens ♀ on birch on top of left bank.
Gyrocampa affinis ? 1♀ in marsh.
Chaenusa conjungens ♂♂ & ♀♀ in marsh.
Aspilota 1♀ in marsh.

Aphidius sp. Swept in marsh.

? Proctos.
Chalcid.
Campopleginae. Sagaritis erythropus? 1♀. S. annulata? 1♀.
Angitia ? 1♂. Holocremna? 1.
Campoplex —— 1.

25th June 1933. A glorious, soft, day, spoilt by E gale, which blew down the slopes of the hills & tore through all vegetation, thus making collecting extremely difficult. Following a couple of dull & wet days, the day opened dull & gradually cleared & all sunny after mid-day. With C.W. Allen!

Bank of the Little Stoney, at Coan, C.W., for a mile above the ford, & just below same; these few insects collected after tea (4.30 - 5.30 p.m.)

Too windy for aculeates & few out (also best nesting ground all destroyed by carting, in field NE of ford); but ichneumons extraordinarily numerous considering the wind. Many small species taken by sweeping rushes, &c., in sheltered swampy places.

Bombus sylvarum ♀♀ & ☿☿. B. lucorum ☿☿.
B. jonellus 1 ♀ (fresh) seen by Allen. B. hortorum ♀
Andrena fucata, a worn ♂.
Halictus ♀ (calceatus ?) seen.
Nomada ruficornis 1 ♂, flavoguttata & fabriciana (fresh).

Crabro palmipes ♂ on willows of Little Stoney
Pompilus nigerrimus ♂ on thistle stems. P. gibbus ♀, in burrows,
Antaeon — large ♂ swept.

25.6.33 cont.   Coan, W1., cont.
Tenthredella balteata, livida, atra seen. 2♀♀ taken
Rhogogaster viridis abundant.
Dolerus aeneus ♂♂ & ♀♀ seen.
Selandria stramineipes ♀♀ very common, 1 taken.
Tomostethus luteiventris ♀♀ on Sp. Selandria flavens 1♀
Pachynematus umbripennis ♂ RCLP 27.9.34.

Ichneumon ♂ (in [illegible]).
Cratichneumon annulator ♀♀ on Salix. C. rufifrons ♂♂ & ♀.
Phaeogenes sp. 1 ♀, ? ♂♂ of same.

Cryptidae ♂♂ of 4 sp.
Hemiteles sp. 3 ♂♂, ♀ [illegible].

Glypta elongata ♂♂ & ♀♀ common in marshes.
Phytodietus sp. 1 ♂.

25.6.33 cont. Coan, Wl, cont

Promethes dorsalis ? ♀, P. labiculus ? 1♂.

Zootrephes infuscatus ? 1♀.

Stenomacrus laricis (Hal.) Roby 2♂♂, 1♀, on Salix, with very
= pulsus Thoms. (walked!)
small brown-coloured [illegible], very similar in appearance

S. curvicaudatus ? small ♀.

Ctenochira sp. — 1♂, 1♀.

Exochus ? on Salix

Catoglyptus fortipes ? 2♂♂, 2♀♀ (♂ has black femora!)

Tryphon sp. ♂♂, ♀ (? one sp.) on Sycamore blossom.

Euryproctus ? 1♂ (?) = ? Syndipnus lateralis

Mesoleius & Mesoleptus, by [illegible] 2♂ [illegible]

1♂, 1♀, of different spp. with very slender 1st segment.

Mesoleius ? Corp. ♀. = ? Alexeter sp.

Promethes pulchellus ? ♂
Orthocentrus ? on Salix. Ophion luteus ♂, below ford.

Campoplex small ♂. Omorga ? 1♂.

Angitia 1♂. Meloboris 1♂, 2♀♀.

Olesicampe 1♂.

25.6.33 cont. Coan, Wl, cont.

Bracon mediator 1♀ ~~at~~ amongst bracken ♂?

Sigalphus pallidipes caudatus ? 1♀ (gone)

Rhogas 1 black sp. 1 black & orange sp.

= Microdus clausthalianus ? (A.W.S. [illegible])
Apanteles ♀ swept along edge of field, below ford

Eubadizon pallidipes 1♂ " " " "

Meteorus micropterus ?? 1♂ 2♀♀. Blacus ? 1♂
var. ? brevicornis, atratus ?

Diospilus capito ? 1♂ 1♀

Opius spp. 2♂♂ 2♀♀. = O. caesus ? ♂, ♀. O. apiculator ? ♂, ♀.

Dacnusa 1♀, with legs not attached to wings, at 3

D. areolaris 1♀, ? "var. stramineipes" Marshall (nec Haliday), at 3

Gyrocampa affinis ? 1♀, at 3.

Aphidius sp. 3♀♀.

Proctos & Belytids 8 exx.

Hemiptera taken by George H. of Ford, along road to "Big Stony"

25th June 1933 Garden, 12 Clareville Rd., Dublin
7.30 till 10.0 P.M. Wind dropped & lovely soft evening.
Meconema taken on white currant at 10.0 P.M.

Hemerobius [illegible] ♂ on white currant.

Spilomena troglodytes 2 ♂♂ (?) flying to Rhamnus, [illegible]

26th June 1933. A splendid day, though dull till early afternoon; afterwards all sunny & very warm. W. wind rather strong; cleggs & flies very troublesome!

Mullacreena, ="Kilkea Park" — just alt., S. end of Kilkea demesne between Athy & Castledermot, Co. KD. {With Rev. K. M. [illegible], E.O.M. & Art O'Mahony.

Very nice ground, woods & plantations, surrounding grassy hill top with much Scabiosa succisa, Carduus palustris (on stems of which were many ichn. before sun came out), though the hill seems to be composed of sand & gravel moraine & has a sandpit at N. end just below the old ring fort. Much birch growth, where plantation has been cut.

26.6.33 cont. Mullacreena, Co. KD. cont.
Bombus agrorum & lucorum ☿☿ very rare, also ♀♀ agr.
Psithyrus distinctus 1 fresh ♀.
Vespa rufa ♀.
Andrena subopaca? several ♀♀ seen, almost certainly this sp.
Halictus 1 ♀ seen (like albipes or calceatus)
Gorytes mystaceus ♀♀, seen catching "cuckoo-spit" larvae.
Nysson spinosus 1 ♂.
Pemphredon lugubris ♀.
Crabro styrius ♂ taken by E.O'M. on Hazel bush at base of NW side of hill (W. of sand pit) & 3 more taken by me later at same place, which is at NE. edge of big birch glade, where conifers have been felled
C. [illegible] ♂♂ abundant along top of sandpit.

Anteon sp. ♂ swept by E.O'M. on S.E. side of woods.
Tenthredo "arcuata" common. Tenthredella balteata ♀, T. mesomelas, & [illegible] seen.
Selandria stramineipes ? ♀♀ abundant [illegible]
Fenusella pygmaea ♀. [illegible] 7.9.34.
Athalia cordata ? 1 ♀, pale yellow! Pteronidea myosotidis 1♂; also 1♀ (taken).

= Kilkea Park!

26.6.33 cont. Mullacreina, N.D. cont.

Ichneumon [illegible] ♂.

♂ nr. Ceratola (E.O'M.)   Cratichneumon fabricator? 1♀ (E.O'M).

Cryptus 4♂♂, ♀ (E.O'M)

Plectocryptus? ~~arrogans~~ 1♂ 1♀. (E.O'M ♀).

= Monocryptus (Plectocryptus) opacus (Thoms.) ♀ (teste A.W.S. & confirmed by J.F. Perkins, 19.4.1962!

Pimpla (Ital.) mandibularis 1♀. P. flavicoxis Th. 1♀; & 1♂ E.O'M.

Glypta fronticornis Thom. 1♀ (= G. nigrina Desv. fide J.F. Perkins)

G. mensurator ♂♂ & ♀♀ at Thistle & ♂. — also 1♂ (E.O'M) G. trochanterata 1♀.

Lissonota "picta" 30♂♂ at Carduus palustris etc. also 1♂ 1♀. (E.O'M.)

L. bellator? 1♀ swept by E.O'M on top of hill, close to where my ♂♂ were taken!

L. sp. , Hartig, ♂

Meniscus catenator ♀♀ (on hill).

Homotropus spp. All that taken on flowers of C. palustris swept on hill to

= H. bipustulatus 1♀. H. "cranicus"? 3♀♀ (? only larger var. of) H. pictus? 1♂. H. pulcher 1♂, (var. almost black abd.!)

Bassus tricinctus 1♀.

Sagaritis "anicexa"? 1♀ (?), seems to agree well with Thomson's description! {J.F. Perkins agrees this is Sagaritis sp.?, 3.4.1937.

Mesoleptus "typhae" 1♀. Clonuscus   Clonuscus.

= Kilkea Park!

26.6.33 cont. Mullacreina, N.D. cont.

Mesoleius ♂♂ — 400 – 4♂♂ mostly taken! trail on at S.E. side.

Mesoleius sp. ? ♂♂ (E.O'M).

Campoplex 1♀. Sagaritis punctata? J.F.P. 1♂ 1♀. Phaedroctonus transfuga 1♀

Nemeritis? 2♂♂. Meloboris? 1♂ Anilasta? 1♂.

Phobetes angulus? 1♂ (E.O'M). communis? 1♀. Exenterus? 2♀♀. Mesochorus 1♂ (E.O'M)

Braconidae.

Microgaster 1♂. Apanteles 1♂. C. — 1

Meteorus ictericus? ♀(E.O'M). Euphorus pallidipes 1♀. Blacus paganus? 1♀ var. ochraceus Curt.

Syntretus pallipes?? 3♂♂. Rhogas circumscriptus? 1♂.

Calyptus tibialis or fuber? 2♀♀, one larger, one smaller.

Pygostolus sticticus 1♀. E.O'M. Opius apiculator? ♀.

Alysia 1♀. Aspilota? "macrops"??, 1 small ♀.

Coelinius cuspidatus? gracilis? 1♂ (E.O'M).

Chalcidae 1♂ & ♀.

Gelis? Hemiteles ♀ swept by E.O'M, in ~~bright~~ on S.E. side.

[Bombus lucorum ♀ came into my room (N. window) on 28.6.33.] in Museum, ? as usual, looking for a place to hibernate!

29 & 30th June 1933. Garden, 14 Glenavill Rd., D4.
Both evenings fine though dull.
Bombus lucorum ♂♂ & ☿☿ in front garden on Thyme & Sedum.
B. agrorum ☿☿, a few only.
B. jonellus fresh ♂ on Comarum palustre in back garden.
[Vespa sp. a ♀ flew into bedroom at 7.30 (S.t.) AM. on 1.7.33]
Pemphredon shuckardi 1 ♀ examined, on 29th.
Crabro varius common. C. clavipes 1 ♂ on 29th several ♀♀ seen on 30th!

Homocidus ornatus ♂♂ common on white currant.
H. flavomarginatus: 1 large ♀

Mesoleius 2 large ♀♀, several on white currant.
1 smaller ♀, & 1 ♂, 1 ♀ still smaller, but ? all same species.

Pimpla examinator ♀ on red currant on 30th.

Angitia? or Omorga? 1 ♀

Pteronidea ribesii ♀ seen on white currant on 30th &
well-grown larvae on next bush!
Currant clearwing moth seen on 29th on white currant.

1st July 1933. Garden, 14 Glenavill Rd., D4.
Megachile willughbiella 1 ♂. M. centuncularis 1 ♂
[also 1 ♀ willughbiella seen on 2/7/33.]
Eristalis — ♀ on Osmunda!

2nd July 1933. A very hot day, no clouds & gentle E–NE breeze.
Sandhills, stream & fields behind same, between Termonfeckin & Baltray, Co. Louth. 11.30 to 4.50 p.m.
Most ichns. taken by stream through field on E. boundary of Newtown Ho.
Bombus lucorum & agrorum ☿☿, only a few seen.
Andrena sericea & fucata 1 ♀ (worn) of each seen.
Colletes picistigma ♂♂ common in one spot, 1 ♀ seen only.
Tachysphex pectinipes ♀♀, one seen carrying grasshopper three times its own bulk.
Astata stigma ♂ & ♀ taken, others seen, in pebbly flat-bottomed hollows just N. of road from Newtown House to beach.
Pompilus plumbeus ♂♂ & ♀♀ with last.
P. red sp. (gibbus?) 1 ♀ seen with last.
Crabro wesmaeli 1 ♂ in dunes. C. chrysostomus ♂♂ &
C. tibialis 1 ♂ on oak, at back gate to Newtown Ho., both with last.
Pemphredon shuckardi 1 ♂ on oak with last. Crabro leucostomus ♀ alight & entering this
Mellinus arvensis ♂♂ on oak with last. 1 seen at stump.

2-7. 33 cont. Termonfeckin, Co. Lth. cont.

Bethylus cephalotes 1 large ♀ in fields. Anteon sp. ♂ in fields.

Dolerus palustris 1♂ by stream.
Tenthredo "arcuata" seen.

Melanichneumon perscrutator ♂♂ & ♀♀ common, about ragwort.
Ichn. "leucolomius"? 1♂? black, with yellowish femora, in thistle dune.
Amblyteles oratorius 1♀ by stream.
Cryptids 1♂ 3♀♀ of 2 spp.

Stenodontus marginellus? 1♀ on Dwarf Elder (orchid) behind dune.

Hemiteles sp.? 1♂ carded.

Glypta "nigricornis var. with elongate terebra", 1♀. G. sp.? smaller, with black hind coxae & long terebra.
Meniscus catenator ♀ on Glyceria by stream.

Bassus deletus? 1 by stream.
Stenomacrus minutus? ♀ swept by stream off Water-cress, &c.
Mesoleptus 2 spp. 3♂♂. Euryproctus? 2 red ♂♂.
Sp. with yellow scutellum, 1♂. Mesoleius 2 spp. 2♂♂.
Omorga 1♀. Campoplex 1♂. Dioctes exareolatus? 2♀♀.
Meloboris (Diadegma) crassicornis 1♀. Cremastid ♂ = ? Leptopygus harpurus.

2.7. 33 cont. Termonfeckin, Co. Lth. cont.

Bracon 2 spp. ♂♂ = ♂ B. variator? ~~discoideus~~ 1♂, & ♂ B. epitriptus? 1♂.
Meteorus brevicauda? 5♂♂.
Apanteles sp. 2♀♀. G. sp. 1♀.
Rhogas irregularis 2♂♂ 1♀.

Dacnusa areolaris? 1♀ by stream.
Coelinius sp. ♂. Swept in dunes.
Aphidius (avenae?) 1♂, 3♀♀.

Chalcid 2♀♀, funny little sp. with short wings & powerful middle legs.

3rd July 1933. A terrifically hot day, gentle E. breeze, & no clouds. Too hot for many insects! Drove, with E. O'Mahony & Art O'Murnaghan, to Ballinderry L., Co. Westmeath, where Dr. Hencken & his Harvard University colleagues engaged in excavating on site of crannoge, in S.E. corner of the lake, which lies in Kings Co., the rest of the lake being in Westmeath. Stopped at Newtownlow, east of Tyrrell's Pass, Co. Wth. on outward & return journey & collected about N. end of Carnaher Lough, S. of Newtownlow; also took a few insects at

3.7.33 cont

Ballinderry Lough, KC, but when there spent most of the time looking at sections of marl & gyttja, &c, which were very puzzling & on which Dr. Hencken wanted my opinion.

Shore of Cornaher Lough (N end), near Newtownlow, Co. Westmeath, & scrub along 'esker' between lough & road.

Labelled "3.7.33"   Labelled "3.7.33. P.M."

11.30 till 1.30 PM. = 1   6.0 till 8.0 PM. = 2

Bombus agrorum & lucorum, ☿☿ of former ☿☿ & ♂♂ of latter.

Halictus 1♀ seen (probably freygessneri!)

Parasloecus monilicornis ♂♂ common in scrub, in shade.

Crabro dimidiatus ♂. C. chrysostomus ♂.

Dolerus nigratus ♂ at Equisetum limosum in lake, at 1.
? second brood

D. ferrugatus ♀ on lake shore (E sm) at 2.

Fenella nigrita ✓RCLP 1♀ swept by E sm. in field near road.

Athalia & Tenthredo 'arcuata' seen.

Selandria ♀ 1♂.

Glypta elongata ♂♂ abundant & some ♀ flying to stems of pure colony of Equisetum limosum in lake. Most abundant at 1, but many also seen in evening at 2.

3.7.33 cont. Cornaher Lough, WH, cont.

Pimpla flavicans? ♂♂ in shade amongst scrub.

Exetastes at 1. Hemiteles or Phygadeuon? [illegible]

Atractodes tenebricosus ♂♂ at 2, on flowering Oenanthe phellandrium (?)

Mesoleius ? similar large ♀ at 2. Tryphonid, whole ♀ at 1

Campoplex or Limneria ? 1♂. Mesoleius ♀ at 2.

~~Bracon ? ♂♂ & ♀♀ swept on shore of lake at 2.~~

Ascogaster 1 on flowers of Oenanthe at 1.

"Microgaster" rugulosus Hal. ♂♂ common on Mentha aquatica on muddy shore of lake, much trodden by cattle, just above summer level of lake: 7 taken: at 1. Two ♂♂ & 1♀ taken at 7.30 PM. near same spot.

~~Phaenocarpa eugenia 1♀ swept on shore of lake, at 2.~~

Aphidiid ♀

3.7.33 Ballinderry Lake, KC ⟶ P.T.O.

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3.7.33 cont. Edge of Ballinderry Lough, at SE corner, beside creamery, Co. KC. 3.0 – 5.0 PM.

Smicra sispes? 2 large specimens swept by F. O'm between creamery & smaller lakelet, amongst reeds & sedges. 1♂, 1♀.
Small Chalcid with long tail swept on edge of lake.
Glypta monoceros 1♀ swept on shore of lake.
Brown red & black ich. swept with [illegible].
=

Bracon 2 spp. ♂ & 2♀♀ swept on edge of lake.
Phaenocarpa eugenia 1♀ swept on edge of lake.
Apanteles

Proctos 2 ex. one swept by F. O'm, other by A.W.S.

9th July 1933
Taken by E. O'Mahony
[illegible] near [illegible] Hall
Co. Dub.
Microgaster ♂ ♀
Trichogramma? [illegible]
Coccobius? [illegible]
[illegible] 1♀

10th July 1933.
Sandpit by railway
N. of Greystones, Co. Wi.
A.W.S.
Chalcid with [illegible], 1 ♀.
Apanteles with [illegible] 1♂
[illegible] 1♀
Campoplex small ♂ ♀
Cryptus
[illegible] 2 ♂
Pimpla robusta? 1♂ 1♀
Glypta rostrata?
1 red ♀.
Lissonota [illegible]
[illegible]
[illegible] 1♂

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7th July 1933. A poor afternoon, very strong (SE) but sunny. Very few insects out.
Sandpit at Knockmaroon, Co. Dub. [& afterwards a few insects taken in Furry Glen, Phoenix Park].
Bombus agrorum, B. lapidarius & B. dimidiatus the only aculeates seen.
Ichneumon or Amblyteles? 1♂.
Cryptus 2♂♂

Pimpla "robustator" 1♀ very red legs.
P. detrita? 1♂. Lissonota carbonaria? 1♀.
Polysphincta tuberosa? 1♀, another three away by mistake for Chalcids.
Bassus [illegible]? 1♂♀
2 Campoplegidae – Omorga 1♀. Limnerium? 1♂, 2♀♀.

Angitia, a very small ♀.

Furry Glen, Dub. 7.7.33.
Dacnusa areolaris ♂ Gyrocampa [illegible]? small ♀.
Pentapleura pumilio? 1♀. Aphidius 1♂
Pimpla maculator, ♂ at gorse. Atractodes [illegible] 1♂
Sagaritis 1♀. Angitia?? 1♂

7.7.33. Garden at Harold's Cross, Dub.
Chelonus inculator 1♂

8.7.33 [illegible] taken in garden & given to J.A.G. [illegible].

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9th July 1933. A poor day after a fine morning & rain after 2.30 P.M. Practically no sun after 12 noon. Wind variable, SE to SW-W, warm.

Down, with Palmer, to Drogheda & collected in old gravel pit on N. bank of river Boyne, about a mile below town (=1), but too windy for insects; then on to Termonfeckin, Co. LH. (=2), as on previous Sunday.

Bombus terrestris ☿☿ common on dunes at 2 where none seen on 2nd July! B. lucorum nest in log by track path of Newtown Ho.
B. lapidarius, several ☿☿. [B. agrorum none seen!]
Halictus rubicundus ♂♂ abundant at 1.
Colletes picistigma ♂♂ & ♀♀ at 2 (only 1 ♀ taken)
Astata stigma, 2 ♂♂, 3 ♀♀, in same hollow as on 2/7/33, taken by Palmer at 2.0 P.M. during slight flush of sun.
The species must be very common here!
Crabro leucostoma, cetratus 2 ♀♀, & chrysostomus ♂ at bored willow log ~~near~~ at track path of Newtown House.
Mellinus arvensis & Vespa vulgaris at gate.
Odynerus nest & dead Chrysis ignita on stone wall of gate.
Pompilus gibbus 2 ♀♀ & P. plumbeus in dunes.
Pemphredon shuckardi 1 ♀ at 1, on coltsfoot leaf.

[illegible] sp. ♂ on old willow tree at gate.
[Dicondylus bicolor Hal. A ♀ of this species emerged from a small white silken cocoon on blade of grass on 15.7.33 which was, I believe, collected on dunes during lunch at Termonfeckin, but was unfortunately not labelled & the insect not observed till it had died! A.W.S.]

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9.7.33. Termonfeckin, Co. LH., cont.
Tenthredo "arcuata" one or two seen only.
Small black sp. on Spiraea in "wuzzy" at gate = {Blennocampa pusilla ♂ R.C.L.P. 17.9.34.
Ichneumon suspiciosus, fresh ♀ at 2
Ichneumon sp. ♂ taken in car near Drogheda by George. (labelled Termonfeckin!) ('black & yellow')

Cryptid {= [illegible] [illegible]! black 4 ♀♀ on willow log at gate, one seen to emerge out of hole. These holes probably made by Mesites tardyi, but many inhabited by Crabro leucost. & cetratus.
Cryptus red & black ♀ on log (Palmer).
Lissonota femorata 3 ♀♀, others seen, on same log.
Chalcid, large ♀, with pointed tail: ? parasite of M. tardyi.
Pezomachus small black wingless ♂ (?) taken by George in car at Termonfeckin at tea.

Mesoleptus 2 swept in "wuzzy" by gate.
Stenomacrus sp. ♀ swept by drain.
1

Bracon 1 ♀. Dacnusa areolaris ♂♂ [illegible].
Aphidius ♂♂ & ♀♀ taken by drain at gate. A. sp. larger ♂.
Apanteles 2 black ♂♂ swept at drain.
Chelonus 1 in dunes (Palmer).
Meteorus ♂ at gate.

9.7.33 E.O.M. } see p. 110 ante!
10.7.33 A.W.S.

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Killarney Trip with R. Charles Farris of Cavan

12th July 1933 Left Dublin at 8.30 AM & drove to Killarney, via Maryborough, Cahir, Mitchelstown, Fermoy, & Mallow. Arriving about 5.30 PM.

Stopped to collect in shelter belt about a mile S. of Mitchelstown & again at Castle Kevin between Castletownroche & Mallow, both in E. Cork. Very few insects out! After tea went with E. F. Bullock to the "deerpark" (near Cowteen Hall) where we visited scrub & an old disused sand pit. a fine day, with some showers.

12.7.33. Plantation belt on roadside, S. of Mitchelstown, Co. EC. 1.30 till 2.0 PM. Sunny.

[illegible] ♂♂. Allantus arcuatus ♂.

Pimpla [illegible] dentata ♂ P. detrita 1♀. Homotropus [illegible] ♂

Exochus [illegible] 2 ♂♂

Stenichneumon rufifrons? 1♀ Cratichneumon annulator ♀

2 small red Cryptids Angitia ? ♂.

Chelonus [illegible]

Microdus

Chal...?

Several [illegible] seen but given to Farris [illegible]

115

12.7.33. River bank & field, with Sycamore, Chestnut trees & bracken, at Castle Kevin, between Castletownroche & Mallow, Co. EC. 2.30 till 3.0 PM. Sunny.

Bombus lucorum ♀♀. B. hortorum [illegible]. B. agrorum ♀♀.

Hoplismenus [illegible], ♂ with [illegible]. Ichneumon [illegible] 1♂

Phaeogenes ? 1♂ Cryptus [illegible] Bdg. ♂?

Glypta [illegible] 1♂. Tryphon (Cosmoconus) [illegible] 1♂?

Mesoleius ? 2 [illegible], one without & one with [illegible]

Phygadeuon [illegible] 1♂

Mesoleius ? ♀ [illegible] of M. [illegible] Named Nixon in litt. dated 7.3.34

12.7.33. Old sand-pit, near Cowteen Hall, deerpark, Killarney, Co. NK. 6.30 till 7.20 PM. dull.

Bombus lucorum ♀♀. B. agrorum ♀♀. B. hortorum ♀♀

Psithyrus distinctus Pérez ♂. Vespa rufa ♀♀. [illegible]

Andrena wilkella 1♀ in bramble flower (CF).

Phygadeuon 1♂ 1♀. Ichneumon 1♂.

Campoplegid ? 1♀. Leptopygus [illegible] ? 1♂ Mesoleptus cingulatus

Bracon 1♀ Diospilus 1♀. Euphorus pallidipes 1♂♀

Apanteles sp. 1♀ Apanteles sp. 1♀.

Rhogas 1 Aphidius 1♀.

Proctotrupes [illegible]

Chalcid, Black

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13th July 1933. A dull, warm day, with much misty rain & only blinks of sun. Very little out, except [illegible] & then mainly in afternoon. Spent morning around sandpit & in scrub in deerpark, Killarney, as on previous evening, & afternoon in gravel pit on railway N of Killarney. Labelled
Killarney Dpk.
Co. NK. A.W.S.
13.7.1933

Sandpit & scrub, near Countess Hall, deerpark,
Killarney, Co. NK. 11.0 AM. till 1.0 PM.

Bombus lucorum, hortorum & agrorum. Vespa rufa.
Andrena coitana ♀ (C.F.). Sphecodes ~~[illegible]~~ ?? 1♂.
Mellinus arvensis ♂♂. Crabro varius ♂.
Pachyprotasis antennata 1♀.
Tenthredo arcuata & Athalia sp. seen.
Ichneumon gracilipes? small ♂. Cryptus small red ♀, [illegible]
Hemiteles ? 1♂, 1♀ winged, 1♀ [illegible].
Lissonota lineata? 1♂. Homocidus 1♂. Bassus [illegible], 1 [illegible]
Sagaritis sp. 2♂♂, 1♀ like the other Campoplegids (1♂♂).

Rhogas circumscriptus ? 3♂♂. Pygostolus sticticus 1♀, with 22 jointed antennae
Euphorus pallidipes 1♂. Phaenocarpa ruficeps 1♂
3 Procto.

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13th July 1933 contd.
Gravel pit on railway, N of Killarney, Co NK.
3.0 till 6.0 PM.

Bombus lucorum, agrorum, hortorum & lapidarius ♀♀ on Vicia cracca.
Vespa rufa
Salius exaltatus 1♂ & Ceropales maculata 1♀ in same court.

Tenthredo arcuata 1 pair in cop.
Selandria serva ♂ & ♀ (C.F.)
Ichneumon [illegible] 1♂ [illegible] 1♂

Platylabus dimidiatus ♀, also ♂ [illegible]
Protichneumon laminatorius 1♀ (C. Farm)
Cryptidae [illegible] 3♂♂.

Pezomachus sp. 3♀♀ Hemiteles 1♀, with [illegible] & [illegible] abd. segments
Lissonota bellator ♂ & ♀. Campoplex [illegible] 1♀.
Glypta bifoveolata 1♂. Hemicospilus [illegible] 1♀
Mesoleius [illegible] 2♂, 1♀. Mesochorus 1♀
Angitia [illegible] ? 2♂♂ [illegible] 1♂ ~~Angitia~~ Omorga sp. 1♀.
Plectiscid ?? [illegible] ♀ [illegible], with 15 jointed antennae [illegible] of pin. ? belongs to this group.

118.

13.7.33, cont. Ballast pit, Killarney, N.K. cont.

Several Braconids taken on leaves of Potamogeton natans in pool = Gyrocampa uliginosa 3♂♂ ♀, Chaenusa conjungens 2♂♂, & [illegible] ♀ of the Chaenusa respectively. (1 ♀ seen to be G. affinis)

Lasius niger ♀♀. D. [illegible] Th. p. 2232. ? ♂♂.
[= the allotype ♂ of Nixon's D. curtipalpis fide Nixon 11.9.1936. AWS.

Bracon epitriptus? 3♂♂, 3♀♀. B. [illegible]? 1♀.

D. ♀ [illegible]

— This is a ♀ Opius [illegible] sp. n.? vid. 28.1 A.W.S. 1934.

Apanteles sp. small black sp. very common in [illegible], 8♂♂ & ♀♀.
" — sp. 1♀, larger with yellow legs, not ?.
Adelura [illegible] & very small, black, ♂.
Rhogas bicolor ♀, em. 21.7.33 from stung larva of Zygaena [illegible] on grass stem.
Opius [illegible].
Aphidius ? Tranzgr? Brown! 1♀

2 Chalcids (one of which a ♀ has long "tail") [illegible] [illegible]).

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14th July 1933. A fine morning but too windy (W), after more rain at night; drizzle in afternoon, followed by several hours heavy rain. Went, with F. F. Bullock, to glen of tributary stream N of Tomies, in morning, & spent afternoon along R. Flesk, right bank, at Woodlawn Ho., Killarney, Co. N.K.

———

14.7.33 Small glen of stream flowing from Tomies into Laune just below Laune Bridge, Co. N.K. 10.30 till 1.30 P.M.
[Should be S.K., though specimens labelled N.K. A.W.S. 1934.
Bombus lucorum, agrorum & hortorum.
Vespa rufa ♀♀.
Odynerus pictus 1♀. O. trifasciatus 1♀.
Crabro cetratus & dimidiatus, both abundant.
Mellinus arvensis ♂♂ & a few ♀♀.
Pompilus nigerrimus ♀♀ on river bank. Salius exaltatus.
Andrena coitana ♂♂ & ♀. Andrena subopaca prob. ♀.
Halictus villosulus ♀♀ nesting in river bank.
Sphecodes 2♀♀, one given to [illegible], probably hyalinatus. R.C.L.P. [illegible] on 7.2.34.
Nomada flavoguttata ♀. Ichneumon 1♂ (R.C.F.). Cratichneumon 1♂ (R.C.F.)
Amblyteles 2♂♂. Phaeogenes ?? black ♀. Barichneumon ? ♂
Cryptids several:— Atractodes ? ♂.

NB. It was in this glen Bullock took his ♂ Odynerus spinipes in [illegible]. Suitable river banks, but none seen. A.W.S.

Pimpla flavicoxis 1♂. P. examinator 2♂♂. P. iv-dentata 1♂, also 1♂ (R.C.F.).
Pimpla maculator 1♂ & 1♀, [illegible], [illegible] (R.C.F.).
Schizopyga atra? 1♂. Glypta varicoxa? ♂.

14.7.33 contd. Glen near R. Laune & Gap of Dunloe, N.K. contd.

Leucozona lucorum ?{2♂♂ (RCF) / 1♂ Lampronota marginata? 1♀.

[illegible] capitata 1♂, 1♀ [illegible] 1♀ Phytodietus [illegible] 1♂ (RCF)
Ophion luteum? 1♀ (RCF). Hemiteles ramulus? (RCF) 1♀ (RCF).
Campoplegidae, 2♂♂. = Sagaritis latrator? 1♂ Angitia [illegible]
" 1♂ 2♀♀ (RCF) 1? 1♂ (RCF)

Plectiscus ♂ (? Helictes).

Ctenicerid [illegible] 1♀ Bassus (? [illegible] ... all red and [illegible])

Homocidus niger? 1♂ (RCF) Orthocentrus scabriculus 1♀ (RCF)

Bracon discoideus? 1♂ [illegible] (♂♀. [illegible] [illegible] (RCF)
B. " ♀, near [illegible] (RCF.
Meteorus ventralis? 1♀ [illegible] [illegible] [illegible] (RCF)
M. " [illegible] (RCF). [illegible] [illegible]? 1♂ (RCF)

14.7.1933 afternoon Woodlawn (right bank of R. Flesk), at Killarney, Co. NK. 2.30 – 5.0 PM dull, nearly raining [illegible]

Ichneumon? black, white tail 1♂. Exetastes? [illegible]

Lissonota [illegible]? 1♂, carded. Phygadeuon? — 1♂

Pimpla compressa 1♀ Mesoleius? 1♀

Sagaritis 1♀ Cymodusa? 1♂

Phobocampa? 1♂. Meloboris? red [illegible] 1♂

Campoplex rufipes? 1♀. C. " 1♂

Plectiscid 1♂

[illegible] 1♀.

15th July 1933. A fine day, with heavy shower at 1.30 P.M. & some skiffs of rain in afternoon, when much less sun.

Drove, with Bullocks, over Windy Gap to Kenmare & stopped for a few minutes by the Finnihy River on way down where many Bombus lucorum ♂♂ & Gorytes mystaceus 1♀. Then on to Sheen River, about a mile above Sheen Bridge, near where Cuthbert (1898) recorded having taken Andrena labiata in July 1898. In afternoon drove back through Windy Gap & stopped at small lough below Looscaunagh L. & again at Derrycunnihy, where collected woods filled with Arbutus, Hymenophyllum tunbridgense phorbia hiberna, but rapidly being destroyed by dodendron.

15.7.33. Left bank of Sheen River, 3 miles SE of Kenmare, Co. SK. 11.30 till 4.0 PM.

Bombus agrorum 1 or 2 ☿☿ only. B. jonellus 1♀ (or ♂?)

Vespa rufa 1 queerly marked ♀

Crabro varius ♂♂ & ♀♀ abundant. C. palmarius ♂♂ (C.F.)

C. IV-maculatus small black ♂♂ (E.F.B.).

Mellinus arvensis abundant, but few ♂♂.

Salius notatulus 1♀ on alder (C.F.)

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14.7.33 cont. Glen near R. Laune & Gap of Dunloe, N.K. cont.

Leucozona lucorum ? 1♂ (2♂♂ (RCF)). Rhamphomyia [illegible] ? 1♀.

[illegible] capitata 1♂ 1♀ [illegible] Phytomyza [illegible] 1♂ (RCF)
Ophion [illegible] ? 1♀ (RCF). Hemiteles [illegible] ? 1♀ (RCF).
[illegible] , ♂♂. = Sagaris [illegible] ? 1♂ [illegible]
" 1♂ 2♀♀ (RCF) 1? 1♂ (RCF)
[illegible] ♂ (? [illegible]).

[illegible] [illegible] ? 1♀ [illegible] (? [illegible] [illegible]) [illegible]

Homotropus niger ? 1♂ (RCF) Oedemopsis scabricula 1♀ (RCF)

Bracon discoideus ? 1♂ [illegible] 1♀. [illegible] (RCF)
B. sp ♀, [illegible] (RCF).
Meteorus cinctiventris ? 1♀ [illegible] 1 Apanteles [illegible] (RCF)
M. sp ♀ (RCF). [illegible] circumscriptus ? 1♂ (RCF)

14.7.1933 afternoon. Woodland (right bank of R. Flesk), at Killarney, Co. NK. 2.30 – 5.0 P.M. dull, nearly rain [illegible]

"Ichneumon", black, white belt 1♂. Exochus ? [illegible]

[illegible] testaceum ? 1♂, carded. [illegible] ? — 1♂

Ophion [illegible] 1♀. Mesoleius ? 1♀

Sapromyza 1♀ Cynipidae ? 1♂

Phobocampa ? 1♂. Meloboris ? [illegible] 1♂

Campoplex rufipes ? 1♀. C. sp 1♂

Plectiscus 1♂

[illegible] 1♀.

121.

15th July, 1933. A fine day, with heavy shower at 1.30 P.M. & some skiffs of rain in afternoon, when much less sun.

Drove, with Bullocks, over Windy Gap to Kenmare & stopped for a few minutes by the Finnihy River on way down where many Bombus lucorum ♂♂ & Gorytes mystaceus 1♀. Then on to Sheen River, about a mile above Sheen Bridge, near where Cuthbert (1898) recorded having taken Andrena labiata in July 1898. In afternoon drove back through Windy Gap & stopped at small lough below Looscaunagh L. & again at Derrycunnihy, where collected in woods filled with Arbutus, Hymenophyllum tunbridgense & Euphorbia hiberna, but rapidly being destroyed by Rhododendron.

15.7.33. Left bank of Sheen River, 3 miles SE of Kenmare, Co. SK. 11.30 till 4.0 PM.

Bombus agrorum 1 or 2 ♀♀ only. B. jonellus 1♀ (or ♂?)

Vespa rufa 1 queerly marked ♀

Crabro varius ♂♂ & ♀♀ abundant. C. peltarius ♂♂ (C.F.)

C. IV-maculatus small black ♂♂ (E.F.B.).

Mellinus arvensis abundant, but few ♂♂.

Salius notatulus 1♀ on alder (C.F.)

15.7.33 cont. Sheen River, SK. cont

Andrena coitana ♀♀ on bramble

A. tarsata ♂♂ & ♀♀ very fresh on heathery bank just above the falls on river

Halictus villosulus ♀. H. rubicundus ♂♂ & ♀♀, fresh. H. calceatus ♂♂

Lasius fuliginosus ☿☿ & 1 winged ♀ on fir tree on river bank.

Clix sericea ♀ (C.F.). C. nitens?? 1♀ on bracken

Cimbex larvae? on birch, all covered with "wax": the larvae brought home & fed on birch in garden, but it had disappeared when I returned from Sunderland on 19th August.

Tenthredopsis [illegible] ? 1 brightly coloured ♀.

Lissonota [illegible] ? 1♂, 1♀. Ichneumon 1♂.

Pimpla angens? 1 dark ♀, very smooth abdomen (cf. [illegible]). [illegible] ♀

Hemiteles [illegible] 2 dark ♂♂. Cryptus? 1♀.

[illegible] ? [illegible] ? 2

[illegible] & [illegible] [illegible]

Mycetophilidae ♂♂

Sapromyza ? 1♀. Melieria 2♀♀

15.7.33 cont. Sheen River, SK. cont

Bracon fulvipes? ♂♂ & ♀♀ very common in wood

Bracon [illegible] 1♂.

Apanteles 2♀♀.

Sigalphus caudatus 1♀. Aphidius 1♂. Bracon [illegible] ♂ & ♀ etc.

Alysia [illegible] 1♂, 1♀.

Scolio?

15.7.33. Woods at Derrycunnihy Fall, Upper Lake Killarney. Co. Also 3 Hymenoptera taken above this by boggy track. 4.30 till 6.0 PM.

Mostly small Braconids, &c., & taken by sweeping bracken, Euphorbia, Vaccinium, & in woods, or on Rhododendron leaves.

Ichneumon [illegible] ♀. 1♂ do. do. 2? (1♂ [illegible] & dark [illegible])

Cryptus? 1 red ♂ do. do. 1 red ♀.

Hemiteles? 2 small ♂♂ [illegible]. (very like a Stenomacrus!)

Pezomachus 2 ♀♀ 2♀♀.

Vol. I? 1 small [illegible] ♀, with [illegible] abdomen, compressed at apex & long [illegible] (1 of Leptocryptus?)

Diaparma? 1 blackish ♀.

P.T.O.

15.7.33 cont. Derrycunnihy wood, Killarney cont.

Halictus ? 1, very elongate [illegible] ♀

Tryphon ? 1♂ Hypocentrus [illegible] ♀

Bracon 1, [illegible], Chelonus 1.

Opius ? 16 [illegible]. = ~~[illegible]~~ ♀ transferred to [illegible] ? See diary [illegible] 17.2.'[illegible]

Aspilota nervosa? [illegible] C. jurinei ? 1♂, but with 33-jointed antennae.

Orthostigma melanostigma Thom.? 1♂, with 20-jointed antennae.

Proctos. 2 more (1 wingless).

16th July 1933. A very fine day, sunny, and hot.
Drove home from Killarney via Limerick & Nenagh, stopped to collect by roadside near Bushfield & at quarry, etc. near, at Shanbally (between Nenagh & Toomyvara), Co. NT, & later at Emo Park, Q.Co., but very few insects out.

Roadside at Bushfield (=1), S. of Nenagh, & quarry at Shanbally (=2), E. of Nenagh, Co. NT.

Bombus lucorum, terrestris ♀♀, muscorum ♂♂ & ♀♀, & agrorum at bramble flowers at 2.

16.7.33 cont. Bushfield & Shanbally, NT, cont.

Halictus freygessneri ♂ at 2.

Sphecodes hyalinatus ← probably this! R.C.L.P.; see letter dated 11.7.2.'34! ♀ at same place at 2

Salius exaltatus ♂ at 2

[illegible] at Bushfield! but only ♀ altogether.

Pimpla brassicariae ♀ at 2 & [illegible] elongate ♂ [illegible] Glypta [illegible] 1♂.

Mesoleius ♀ [illegible] Hemiteles ! ♀ with very long [illegible]

[illegible]

[illegible]

16th July 1933 cont. Emo Park, Q.Co.

On edge of wood & amongst heather & birch = 1.

In old sandpit ½ a mile North of Park = 2.

{ Practically no aculeates seen at 2 though the place
} was ablaze with suitable flowers.

Bombus terrestris 1♂, lucorum, derhamellus ♀♀ (OK), agrorum & hortorum, at 2, mostly.

Psithyrus distinctus fresh ♂♂ at 1.

Halictus rubicundus, calceatus, freygessneri, tumulorum & punctatissimus ♂♂ & leucozonius ♂ at 1, very fresh.

H. leucopus ♀ at 1. [None seen at 2]

16.7.33 cont. Emo Park, QC., cont.

Stenichneumon ? 1♀.

Ichneumon 1♂

Oronotus binotatus 1♂ at 1.

Ctenopelma [illegible] ; a few ♀ at trail at 1.

Mesoleptus at 1 Mesoleius 1

Psilosage at 2.

Crypta, black ♂, with [illegible]: agrees with ♂ named "moschator, dark var." by [illegible]

Campoplex ? 1♀

[illegible] ? 1♀

Bundoran Trip 1933.

22nd July 1933. Left Dublin at 10 AM. & arrived at Bundoran at 7 PM. Stopped to collect at N. end of Castle Forbes demesne, Co. LF (1/4 mile S. of Rinn bridge) & later on shore of L. Tiltersannavan, opposite entrance to Markree Castle, S. of Collooney, Co. Sl. With G.E.J. Nixon of B.M.

Plantation, marshes &c, at N. end of Castle Forbes, Co. LF. 1.0 till 2.30 PM.

Bombus lucorum, agrorum, hortorum. Psithyrus distinctus ♂

Andrena ♂♂ seen at heather & almost certainly fuscipes.

Evidently lay by: [illegible] bimaculata ♀♀ taken in plantation N of road.

Vespa norvegica ♂.

Athalia near Scutellaria in wood.

This species frequent, ♀ [illegible]

Rhyssa persuasoria ♀ near log, with short ovipositor: broken!

3 et. [illegible] ♀ with [illegible]

Exetastes ♀ Stilpnus gagates ♀♂

[illegible] ♀ at [illegible]. Polyblastus varitarsus ♂

Stenomacrus [illegible] ♀ [illegible] ♀

[illegible] ♀ [illegible]

P.T.O

22.7.33. Castle Forbes, Co. LH. cont.

Spathius exarator ♀ — wood.

Alysia [illegible] fragment.

Aspilota [illegible]

Opius [illegible] ♀ ? [illegible]

Alloea contracta 1 fully winged ♀.

Rest.

22.7.33. Shore of L. Toberscanavan, Co. SL. 4.0 till 6.0 PM.

Bombus lucorum, spp.

Myrmica ruginodis swarming everywhere!

Crabro chrysostomus & [illegible] nesting in stumps: common.

Tenthredella atra 1 large ♀. Athalia lugens 1♂ Selandria serva, 1♂,

Selandria ? black ♂ = ? cinereipes ♂

Ichneumon sp. 1♂.

3 other Cryptids?

Hemiteles sp. ♀ [illegible] & ? small [illegible] ♂.

Glypta "rostrata" ♂

Pezomachus ? 1 small ♀

Mesoleius ? 2 ex., dull, [illegible].

Promethes 1♂ Homocidus 1♂.

Sagaritis 1♀

22.7.33 cont. L. Toberscanavan, Sh. cont.

[illegible] 1♂. Agathis [illegible] 2♀♀ Apanteles sp. 2♀

Chelonus 1 ex. large sp. C. 4 ex. small sp.

Opius 1 ex.

Phaenocarpa ruficeps ♀ taken by Nixon. Ph. picinervis 1♂.

Dacnusa areolaris ♂♂ 2♀♀ ([illegible]). D. ampliator ♀ (Nixon).

D. flavicoxa ?? 1 large ex., ? sex, with 4? jointed antennae

Gyrocampa affinis? 1 small ♂: also 1 large ♀.

23.7.33. Garden at "Casa del monte", West End Bundoran, Co. D. G.E.J. Nixon. 11 AM.

Dacnusa areolaris D. [illegible], black [illegible] 1♂

both in grass plot, with nettles, &c.

23.7.33. Shore at Bundoran, Co. ED.

Amongst seaweed, at high tide mark.

Aphaereta cephalotes about 8 ♀♀ on rotten kelp (G.E.J.N.)

Platymischus dilatatus ♂♂ & ♀♀ (Nixon).

[illegible]ptera 1♂ [illegible] (all the specimens taken by Nixon!)

Trichopria (Nixon).

23rd July 1933 Afternoon. Bunduff, Co. SL.

1 = Castlegal plantation 2 = marsh at S.W. end of Bunduff Lough.

3 = Field drain, N of same taking drain, as in July 32.

4 = Top of cliffs above Bunduff Strand.

Bombus lucorum, agrorum & derhamellus (Fresh ♂♂ at 4).

Crabro styrius ♂♂ & ♀♀ common at 1, on same rock as in 1932, & on and near it in numbers, the rest still lie in shade.

C. elongatulus ♂ at 2.

Exochus? 2♂ & 1♀. Hadrocryptus alternator, 1♂.

Hemitelid: 2♂♂ & 2♀♀ spp. (2 carded).

Pimpla rufata? 1♂ Phygadeuon 1♀.

Glypta rostrata 1♂ G. mensurator 2♀♀. G. nigrotrochanterata 1♀.

Bassus variicoxa 2 Promethes cognatus? 1♂.

Exolytus sp.? 1♂? Stenomacrus curvus? ♀ (carded)

Clinocentrus 1 Mesoleius 1, yellow spots on abd.

Perilitid? 1, small, red abd. ♀

Cn Limnerium 1♀.

Bracon

Chelonus

Ascogaster 1 sp.? at 2

Apanteles

Rhogas irregulator 1♀

23.7.33. Bunduff, Sl. cont.

Dacnusa rotundi? 2♀♀ at 2.

D. leptogaster 1♀ at 2 (wrong) D. [illegible] ♀ at 2 (wrong)

D. sp.? large sp., 31-jointed antennae, basal segment scarcely longer than broad. A.W.S. 23.7.33.
This ♀ returned by Nixon labelled "sp.? near temula Hal." A.W.S. 9.11.1936.

D. rotundiventris? 2♀♀, with 31 & 32-jointed antennae, rather small. A.W.S. 23.7.1933. → These 2♀♀ = Nixon's sp. D. curtipalpis fide Nixon 9.11.1936. Third with 31-jointed antennae given to Nixon. AWS.

Gyrocampa affinis ♂♂ & ♀♀, large form, at 2.

Aspilota [illegible] 2♂♂

[illegible] sp.

Phaenocarpa [illegible] at 4.

24th July 1933. A damp day after rain at night, & everything very wet.

Woods & marshes, at Knather, between Ballyshannon & Belleek, Co. FD. 11.0 AM till 1.0 PM.

Bombus lucorum & hortorum (& fresh ♂♂).

Glypta elongata 1♀ among rushes. G. elongata? red var. monoceros? 1♀ among rushes.

Lissonota [illegible]? 1♀ Lagarotis? 1♂

Hemiteles pulchellus? 1♂ Trychosis globiceps? 1

Cratichneumon ♂. Hemiteles? ♀

Campoplex [illegible]?, red abd., black legs & [illegible]

Alexeter? 1♂ [illegible]? 1♂

Pimpla 1♂ Campoplex? 3 spp. ♂♂ & 3♀♀, (1♀ carded)

24.7.33 Knather, E.D. cont.

[illegible] [illegible] ? 2 pale ♂♂ ([illegible]). [illegible] ♂ [illegible].

Chelonus ,

Zele testaceator: 1♂ on hazel.

Bracon ♂ dark legs ~ Colastes braconius ♀ on hazel.

Phaenocarpa conspurcator? 1♀ on hazel.

Aspilota fuscicornis? 1♀, with 20-jointed antennae.

Beth. ,

Very wet & no collection made in afternoon of 24.7.33.

25th July 1933. Wet mist, rain till mid day, fine in afternoon but windy & mainly dull: very warm.

In morning walked up lane off Sligo road, Bundoran, FD., & with help of Nixon & his "vacuum collector" took some ichs on Aphis-covered thistles (C. arvensis). Ichneumon lubricus? ♂

Stylocryptus profligator? ♂♂ 2♀♀. & other ♂ Cryptids.

Atractodes? ,, Glypta rostrata, with tails, ♀. G. mensurator 2♀♀

Pimpla detrita 1♂. Promethes pulchellus 1♀. Homocidus tarsatorius 1♂.

Exochus ,, lugubris? 1♂ "melanopus" 1♀.

Microcryptus of reticulatus? [illegible] 1st joint of flagellum longer than 2nd.

25.7.33 cont. 3.0 till 6.0 P.M. No rain, some sun, windy but very warm.

S. edge of plantation at Trawalua, Mullaghmore, Co. Sligo. as in 1932.

Bombus lucorum ♂♂ & ♀♀. B. latreillellus, B. agrorum, B. derhamellus ♂♂, & B. muscorum ♂♂ & ♀♀, & few. Crabro varius & Mellinus arvensis abundant.

Tenthredo arcuata. Tenthredella ferruginea 1♀

Phygadeuon ? small ♂.

Pimpla ?dentata small ♀ Glypta mensurator ♂ 2♀♀. G. nigrotrochanterata 2♂♂ 2♀♀

Pezomachus 1♂, 1 small ♀, 2 large ♀♀.

Schizoloma capitata, 1♂.

Sagaritis 2♀♀ Diaparsis 2♀♀ Campoplex 1♀.

Exetastes illusor ♀. Thersilochus ♂♂ & ♀♀, many on Heracleum [illegible].

Plectiscus ♀ Chorinaeus [illegible] ♀

Stenomacrus (Mesochorus) 1♀. Perilissus yellow-black.

Perilissus?? , [illegible] ♀ Olesicampe ? 1♂ Mesoleius , 2♂♂.

Tryphon elongator 1♀ Homocidus pectoratorius 1♀

Exochus tibialis 2♂♂?

R.T.O.

25th July 1933 contd.   Trawallua, Sl., cont.

Bracon stabilis ♀ B. sp.? small ♂. Oncophanes lanceolator, 1♀

Meteorus spp. 2♂, 3♀♀.

Macrocentrus collaris, 1 black ♂, 2 reddish ♀♀ (on [illegible])

Orgilus obscurator 5♀♀, 2 [illegible] sp. Leiophron [illegible] 1♀.

[illegible] sp. 3♂♂, very small, & 1♀. Blacus [illegible].

Opius rufipes? 1♀. Perilitus 1♂.

Aspilota [illegible]? G. [illegible] (W) ♂ ♀ (W)

Pentapleura fuliginosa? 1♀. P. pumilio? 1♂ & 1♀.

Dacnusa leptogaster? black, 2♂♂. D. areolaris ♂ 2♀, [illegible] yellow legs.

D. [illegible] 1♀ (W)

Apanteles fulvipes? 1♀. Ap. sp. 1♂. Microgaster 1, Microplitis 1.

Aphidius spp. 9 examples

(Chalcid.)

Zelotypa ♀ (Belytidae) taken [illegible] & from the [illegible]; has [illegible] red & [illegible] wings ♀

Taken in Mr. McCulloch's garden at "Casa-del-mare", Bundoran, DL.

Bracon 1♀.

Apanteles 1♂

Taken on 25th/26/7/33, but locality uncertain, possibly near Kinlough, LE.

Stilpnus [illegible] 1♀.

26th July 1933. A dull windy day, with vegetation very wet after rain in night. Collected in small glen near Kinlough, Co. Leitrim in morning & at Trawallua, Co. SL. in afternoon.

Glen N. of Kinlough (tributary of R. Drowes). Co. LE.

11.30 till 1.0 PM.   Anteon sp. 1♂.

Bombus agrorum & lucorum ♀♀   Vespa rufa

[illegible] 1♂ [illegible]? 1♀. [illegible] 3♂♂, 2♀♀

Phaeogenes 1♀. Hemiteles? ♂♂ [illegible] Pezomachus? [illegible]

Porizon flavescens? 1♂. P. [illegible]? 1♀. 1♂ sp. [illegible]

Glypta elongata 2♀♀, [illegible], [illegible] black. [illegible] 1♂.

Mesoleptus? 1♂. Tryphon [illegible], Promethes 1♀

Angitia sp. 2♀♀. Meloboris (Diadegma) [illegible] 1♀.

Bracon sp. ♂. B. sp. 3♀♀. B. sp. 1♀.

Orgilus? 1. Apanteles 3 sp. 1♂, 2♀♀

Microgaster sp. 1♀. Opius 1♂. Aspilota 1♀.

Aphidius, minute ♂, 12 jointed antennae.

A strong larva of Ermine Moth (?) found stuck on grass blade, from this emerged a ♀ Rhogas geniculator on 4/8/33.

Dacnusa [illegible]: 1♂ in marsh, field. D. [illegible]: 1♂ (in marsh abundant. ([illegible])

D. areolaris ♂ & ♀ taken; rare; very small

2 Procto.

26.7.33 cont. Trawalua, edge of plantation, Co. SL., as before.
3.0 till 6.0 PM.

Bombus lapidarius 1 ♂ examined, in addition to those seen before

Spilomena troglodytes 2 swept by Nixon along track in scrub.

Halictus albipes 1 fresh ♂. Crabro 1 ♀ of varius rather than palmipes!

Pachyprotasis rapae? 1 ♀. Allantus perla (New to Ireland) 1 ♂, RCLP 17.9.34

Diadromus? 1 small, reddish, ♀ carded. D. [illegible] ♀, pinned

Phygadeuon? 1 ♂

Hemiteles or Pezomachus? 1 ♂. Hemiteles? [illegible] ♀

Cryptus ♂, large reddish. [illegible] 1 ♂

Pimpla spuria? 1 small ♀. Glypta resinanae 1 ♂. G. "nigrotrochanterata" 1 fine ♂ & [illegible] ♀

P. brevicornis 2 stout ♂♂.

[illegible]

Hemerobius pallipes 2 ♂♂. H. [illegible] 1 small, dark, ♂

[illegible] 1 ♂. Alysia? 1 ♂

Perilissus 1, yellow head, carded. do. do., red abd., 2 ♂♂, pinned.

Promethes? 1 ♀

[illegible] ♀

[illegible]? ♀. [illegible] ♀ [illegible]

26.7.33 cont. Trawalua, SL cont.

Helorus anomalipes 1 swept in scrub close to gate leading into old track.

Bracon spp. 1 ♂ 2 ♀♀.

[illegible] 1 ♀. Orgilus obscurator 1 ♀. Meteorus sp. 1 ♀

Apanteles [illegible] [illegible]

Opius sp.? 2 large, black pubescent ♂♀. Alysia manducator ♂ & ♀. Phaenocarpa [illegible]

Trionyx sp.? 1 ♀. Aphidius sp. 2. Aspilota [illegible] 1 ♂. G. [illegible] 1 ♀

[illegible] 1 ♀ [illegible]. D. [illegible] black, 1 ♀. D. [illegible] 1 ♀ (Nixon)

D. [illegible] 1 ♂, black (Nixon).

27th July 1933. A dull morning, almost raining (rain in hills till noon); very fine & sunny in afternoon, but much cooler, with N.W. breeze.

Fields, roadside, saltmarsh, & drain sides, along estuary N. of Streedagh Ho., & behind sand dunes, Co. SL.

Bombus lucorum, agrorum, muscorum (v. common) & hortorum.

[illegible] gladiator? 1 ♂, very black [illegible]

Cryptus [illegible]? 1 red & black ♂. Cratichneumon sp. 1 ♂.

Hemiteles spp. ♂♂ & ♀♀ [illegible]

[illegible] ♂ [illegible] ♂

Microcryptus [illegible] 1 ♀. [illegible] 2 ♀♀ [illegible] ♂♂?

P.T.O.

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27. 7. 33 cont. Streedagh, Co. SL., cont.

Stilpnus pygate 1♂ Atractodes tenebricosus ? 1♂

Exolytus & Atractodes ? 2 ♂ ♀♀.

Lissonota bellator 1♂.

Perrope annulator ♂ (Nixon), probably a Angitia.

Tryphon elongator 1♀. Promethes laticarpus ? 1♀.

Homocidus pulchellus 1♀, vividly decorated ♂. Zootrephes [illegible] 1♂.

Hemicryptilus [illegible] 1♂.

Thersilochus ? 1♂ 1♀, long terebra. [illegible] ? 1♀.

Angitia vestigialis 1♂, 3♀♀. Triphlocampa mesozosta 1♂, 3♀♀.

Mesoleius 1♀. Saparidus sp. 1♀. Omorgus faunus ? 1♂

G. [illegible] brachypterous ♀ in ditch beside "walled" pool near cottage.

G. " ♂, swept amongst Iris, ♂, just S. of last place.

Bathythrix sp. very small ♂, in field N. of cottage.

Orthocentrus [illegible] 1♂. Meteorus sp. 1♂.

Microgaster spp.? 3♂♂.

Apanteles fulvipes ? 2♀♀ G. spp.? 4♂♂.

[illegible] sp. "cc" of Nixon, 31.8.33, = [illegible] 1♂

These are D. raissa Nixon, fide Nixon 9/11/1936! AWS.

Dacnusa "stenodorsalis"? 4♂♂ (1♂, 1♀ taken by Nixon) in ditch W. side of "Walled" pool at cottage, amongst Iris ♂.

= maculipes ♂ fide Nixon 4/4/38.

D. abdita & miscella ♀ taken by Nixon. D. "areolaris" ♀ with grooved pleurae.

Gyrocampa affinis ♀♀ in marshy field below road. G. uliginosa & Chaenusa conjungens taken by Nixon in ditch by salt marsh ♂♀

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27. 7. 33 cont. Streedagh, SL. cont

[illegible] 5 (1♂, 4♀♀)

5 other Procto.

7 Bracon sp. ♂♀ Bracon sp. 2♀♀. Spathius [illegible] 1♀

Perilitus sp. 1, Opius sp. 2 small ♂♂. Opius n. sp.? small ♀ black & long tarsi. (see Nixon letter 1.3.34)

[illegible] 2♂♂, 7♀♀ [illegible] ? 1♀ [illegible] 1♂.

Aspilota [illegible] ? 2 small ♂♂.

Aphaereta 2♂♂

Trichopria sp. 2♂♂ & ♀ (taken by Nixon on shore near Streedagh Pt. at high water level).

28th July 1933. Misty rain & showers most of the day, warm & cold alternately, hot sun in some places, with falling glass & short gale from S.W. in afternoon. Drove via Kinlough to Manorhamilton & on to Dromahaire & home via N. shore of L. Gill. Stopped to collect just south of Kinlough; at outlet of Glenade Lough; about a mile S. of Manorhamilton; & at Shriff Wood, L. Gill; all Co. LE.

Swampy field by road S of Kinlough (=1) & roadside near outlet of Glenade L., Co. LE. 12.00 noon & 1.10 to 1.30 PM.

Bombus agrorum, lucorum, muscorum & hortorum (fresh ♀♀ at heath).

Vespa rufa ☿. [illegible] ? 1♀. [illegible] ? 1♂

Hemiteles (or Pezomachus?) 1♂. Phygadeuon sp. 1♀ Gelis [illegible] 1♀

Apanteles sp. 1♀. [illegible] ? 1♂

Alysia tipulae 1♀.

Dacnusa areolaris ♀. Angitia sp. 1♂, 1♀. [illegible] ? 1♂ Glypta elongata 1♀

28-7-33 cont. Near Kinlough & Glenade L., Co. LE. cont.

28.7.33 cont. Rushy fields & lane, about 1 mile S. of Manorhamilton, Co. LE. 2.30–3.0 PM.

Ichneumon [illegible]? 1♀

10 Cryptids, [illegible], mostly ♀♀, [illegible]

Limnerium [illegible]? ♀ L. [illegible] ♀.

Campoplex [illegible] 1♂ Angitia ?? a small black ♀.

Meloboris [illegible]

Microleptes splendidula ♂, Promethes pulchellus? 1♂ [illegible] ♂

[illegible]? of [illegible] ?? 1♀ [illegible] 1♂.

Rhogas irregularis 1♀ Opius ♂ of [illegible]

1♀ Cynipid

Dacnusa abdita? large ♀ (Nixon). D. cf [illegible] abdita? 1♀, [illegible]

D. macrospila 1 (Nixon). D. areolaris ♀♀.

Gyrocampa affinis? 1♂ (Nixon). Chaenusa conjungens ♂.

28.7.33, cont. Shriff Wood, Co. LE.

Very wet after showers & blowing gale from S.W.

Stenichneumon culpator? 1♂ Cratichneumon fabricator, v. rufipes? 1♂

Angitia? 1♂.

Promethes scutellaris 2♂♂, one very dingy & with almost [illegible] 2nd segment

3 Proctos

Alloplasta (= Exetastes) [illegible]? 1♂.

29th July 1933. A fine bright day with N–NW wind, after a S.W. gale & heavy rain all night. Very many! Spent morning clearing off arrears of work, but Miriam brought me a fine ♀ Amblyteles xanthorius & Bembex [illegible] from the Rosses sandhills, Co. DL. In afternoon went again to Traesallua.

29.7.33 cont. 2-30–6-30 PM.

S. end of plantation, Traesallua, Co. SL. as before.

Bombus lucorum, agrorum, muscorum, hortorum & lapidarius (1♂)

Mellinus arvensis

Crabro cribrarius abundant on sycamore leaves in clearing N. of old track through edge of plantation. One large ♀ caught with prey – a small black dipteron = Limnophora (Pseudolimnophora) triangulifera Zett. fide J.E. Collin, 1934.

C. varius common with last.

P.T.O.

29th July 1933 cont. Travellers, C. St., cont.

Athalia & Tenthredo, [illegible] common on [illegible] [Four larvae swept (? off Salix) a ♀ Pteronid, [illegible] emerged on 27/8/33. GNC.]

Monophadnus pallescens small ♀, in plantation. R.C.L.P. 17.9.34

Cratichneumon? 1♂ [illegible] small ♂. Exetastes? 1♂.

Stilpnus gagates? 1♂.

Hemiteles? 2 small ♂♂ pinned.

Hemiteles? spp. one or more carded; (also an brachypterous ♀ [illegible] almost like the brachypterous Gelis, ? this group?) See Nixon's letter of 7/3/34. GNC.

Pimpla brassicariae ♀.

Clistopyga incitator 1♀ Glypta [illegible] 2♂♂ 1?, 1♀. G. [illegible] 1♂. Lissonota [illegible] ?, [illegible]

Cteniscus? 1♂? Stenomacrus? small ♂ carded.

Perilissus? sp.? small ♂ & ♀. Orthocentrus? [illegible] 1♀.

Mesoleius [illegible] ?? 1♀. Homotropus [illegible] 5♂♂ 1♀, all v. small.

Homocidus tarsatorius 1♂. Bassus tricinctus, small, pale ♂, "partly emerged". H. cinctus 1, melanic ♂.

Diplazon? 1♂ pinned. D.? sp.? 1♂, 1♀ carded.

Mesochorus sp.? 1♀.

Gyrocampa affinis small ♀ (AWS) ?? [illegible] ♀ (Nixon)

Dacnusa [illegible] 2 black ♂♂ one by track, one in plantation
Nixon also took 1♂.

D. stricta 1 red ♂ (Nixon), 1 black ♀ (AWS).

D. adducta (Nixon) & 1♀ (AWS). D. tenuata " (Nixon).

D. ~~[illegible]~~ [illegible] ♀♀ in drain across cleared space through plantation

D. amphitus 1♀ swept by Nixon in plantation & [illegible]

D. areolaris ♂♂ & ♀♀, in plantation & drain.

29.7.33 cont. Travellers, St., cont.

Aspilota ca. 3 spp.: mostly [illegible] (? [illegible])

Aphidius spp. 2♂♂.

Rhizarcha compressator? ♂ in plantation. Alysia manducator 1♂

Phaenocarpa tipulae? 2♂♂, 1♀.

(Opius with yellow head 5♂♂, 2♀♀ in drain (1♂, 1♀ given to Nixon).

"

Orthostigma spp. 2 exx. (see Nixon's letter of 7/3/34) Blacus? 1 ex.

Gnamptodon pumilio 1♀.

Hormius? brachypterous, yellow-winged ♀ with [illegible] abdomen ? same sp. as ♂ taken by Nixon on 26.7.33.

Bracon [illegible]? 1♀

B. sp.? 2♂♂, 1♀ ? same species.

Apanteles spp.? 1♂ & 1♀.

Meteorus spp. 2♀♀.

Rhogas irregularis 1♀. Chremylus rubiginosus 1♂.

27 exx. Proctotrupids & 1 Cynipid & Chalcids.

30th July 1933. A warm day, rain in early morning, fine in middle part, gale from SE in afternoon & thick rain at 6.0 PM., after which gale moderated.

Did not collect in morning: went to Trawallua in aft.

Trawallua, Co. SL, as on previous day. 3.0 till 6.0 PM.

Gale made collecting very difficult & all taken by sweeping.

Bethylus ♀, [illegible] (? = cyaneus of [illegible])

Phaenoserphus ? 1♂ Exallonyx ? 1♀ [illegible] 2♂♂

[illegible] 4 ♂♂.

Pimpla spuria ? a small black [illegible] ♂. Acrodactyla degener 1♀. Phytodietus 1♂.

Mesoleptus prosoleucus ? 1♀.

Mesoleius

Perilissus ? small testaceous ♂.

Promethes cognatus 1♂, 1♀.

Homocidus longiventris? 1♂. H. [illegible] 1♀.

Stenomacrus sp. 1♂. Plectiscus ?? 2♀♀, [illegible].

[illegible] 3 exs ? 2 spp (1♂, 2♀♀).

Blacus ? 1 Microgaster 1 ex. Aspilota 3 exs

Alysia tipulae ? 2♂♂ Phaenocarpa [illegible] 2♀♀

Opius 7 exs including 2 large ♀♀ (? a sp.)

[illegible] ♂ (? [illegible])

Bracon [illegible] 1♂. Zele testaceator ? 1♂.

30.7.33 cont. Trawallua, Co. SL, cont.

[illegible] (very small) 1♀ Coelinius elegans ? 2 small ♂♂.

Ephedrus Aphidius

Proctos 8 spp. including :–

Oxylabis sp. ♂ (to Nixon).

Conostigmus sp. 1♂ 3♀♀ [illegible]. Teleas sp. (to Nixon).

Chalcid. 1

31st July 1933. Gale all day, after terrific gale & rain all previous night. Nixon left for London by 3.15 PM. train. Did not collect all day, though not raining in afternoon. Heavy seas: moderating in afternoon.

1st August 1933. Still stormy, with rising glass & some rain in morning, but clearing about 11.0 AM & glorious, fine till 4.30 PM when wind backed to S. & misty rain came on for night. Very warm. Spent an hour in morning along left bank of R. Drowes at Bundrowes, Co. LE, above road, sweeping & using the new vacuum collector given me by Nixon. In afternoon drove to Bunduff & collected around lough r.

P.T.O.

1st August 1933 cont.

Left bank of R. Drowes, Co. LE, just above road to Sligo, at Bundrowes. 12.30 till 1.30 PM.

All insects, including many minute Hymenoptera of various groups, taken by sweeping aquatic & semi-aquatic vegetation along river bank, & a few in Iris-filled marsh in field.

[illegible] 1♂ [illegible] 2♂♂. [illegible] 1♂.

Hemiteles several small ♂♂, 1♀ [illegible]

Leptocryptus 1 ♂ & ♀. [illegible] 1♂. Atractodes [illegible]

[illegible] 1♂. Homocidus impolitus Stelfox 1♂ 1940 ~~[illegible]~~ Co-type! — [illegible] 1926 [illegible] taken at [illegible] on 8.7.30 PM [illegible]

Promethes sulcator 4 ♂♂. P. [illegible] 2♀♀. [illegible]

Mesoleius sp. 1♂, 1♀ [illegible] 1 very small ♀

[illegible] 2♀♀. [illegible] 2♀♀. C. [illegible] 1♀.

Microgaster

[illegible] [illegible] 2♂♂

Opius 1♀ O. 1♂ [illegible] 1♂.

Dacnusa areolaris ♂♂ & ♀♀, very small (1♂, 2♀♀ kept). D. [illegible] 1 ♂ — 1 small ♀ [illegible] = D. maculipes, fide Nixon 4/4/38.

Gyrocampa [illegible] 2♂♂ G. affinis 1 small ♀

Chaenusa conjungens 6 ♂♂.

[illegible] 1♂ 1♀. [illegible] flagellator 1♀ } [illegible]

Aphidiidae 6 ex.

Proctotrupids & Chalcids 8 of former, 13 of latter.

[illegible] of ♀♀ on Angelica

1.8.33 cont.

Bunduff Lough etc., Co. Sl. 3.0 till 5.0 PM.

Most insects taken at SW angle of Lough, amongst Angelica & Alder scrub at angle of roads,(=1) a few nearer middle of west side of lough,(=2) & one or two in my [illegible] drain in field behind Bunduff dunes.(=3) Not separated in bottle.

Anteon sp.? 1♂

Ephedrus 1♀. Aphidius aff. 5 ex.

Dacnusa areolaris ♂♂ & ♀♀ at 1. (1♂, 1♀ kept) D. [illegible] 1 red ♂.

D. [illegible] 2♀♀ at 1 — 1 with 33 the other 32 jointed antennae! D. [illegible] 1♀ at 1

These are D. curtipalpis Nixon & one of them chosen as type, fide Nixon, 9.11.1936! The other, with 32-jointed antennae returned to Nixon. A.W.S.

D. [illegible] 2♀, 1♂, with bald head. D. [illegible] with 30 jointed antennae.

Gyrocampa affinis, large var., at 1 & 3, 2♂♂, 1♀

G. [illegible] 1♀. Chaenusa conjungens 1♀.

[illegible] 2♂♂ Opius 2 ex.

Chelonus 3 ex. Apanteles [illegible] 2♀♀ [illegible]

[illegible] 2 ex. [illegible] 1♂.

[illegible] 1♀

[illegible], a worn ♂, possibly on Angelica.

[illegible] 1♂. [illegible] sp. 1♂. [illegible] 1♂.

Hemiteles [illegible] 1♀ H. sp. red ♀ H. sp. small ♂ [illegible]

Atractodes ♀ [illegible] sp. ♀ [illegible] ♀

[illegible] 1♂

[illegible]

Chalcids.

[illegible]

2nd Aug. 1933. Very close, dull, & mist, rain off and on most of the day: vegetation dripping & sweeping impossible in most situations & [illegible] any [illegible]. Did not collect in morning: drove to Drumahoy, on west side of Ballintra, Co. FD, but everything dripping & could only collect by picking insects off thistles or roadside with the new sucker. On way home stopped to sweep Iris-filled damp spot near Finner old church between Ballyshannon & Bundoran (below Finner camp), Co. FD.

2.8.33. Sucked off Carduus arvensis, &c, on roadside at Drumahoy, Co. FD. 4.0 till 5.30 P.M.
Ichneumon ?? (small red & white tail). Stenodontus marginellus ? ♂.
Phygadeuon & Hemiteles ?? 3♂♂ 2♀♀.

Lissonota ? 1♂ & ♀. Pezomachus ♀. Microcryptus ? [illegible] ♀.
Lissonota commixta ? 1♀
Homocidus cinctus ? 1♂.
Diplazon ? 6♂♂. Cryptus ? 1♀.
Mesoleius tibialis ? 1♂ M. [illegible] 1♂.
Meteorus 1♀.
4 Proctos

2.8.33 cont. Marshy spot by roadside, near Finner old church, Co. FD. 6.15 – 6.30 P.M.

The result of three sweeps amongst Iris, meadowsweet, mint &c. Cryptus 1♂. Meloboris (Diadegma) crassicornis 1♂
[illegible] small & coloured.
Sagaritis erythropus 1♂. Stenomacrus ♂ & 2♀♀, (♂ [illegible]).
Meteorus 1♂. Perilitus bicolor ? 1♀ P. aethiops ? 1♂
Opius 1♀. Rhogas ?? 1♂
Aphidius 5 ex.
Aspilota 1♂.

Dacnusa abdita ? 1♀, with large pale stigma, & only faint trace of pleural groove.
D. areolaris ♂♂ & ♀♀: none kept
Chaenusa conjungens 1♀.

Cynipidae some, (one [illegible] lost).

3rd August 1933. Very warm, dripping all morning & only barely fine in afternoon, no wind & no sun. Many insects! Did not go out till 12.0 noon & then drove to glen, N. of Kinlough, Co. LE (as on 26.7.33), here although actually "misting" & everything dripping I managed to sweep quite a few insects, including some good Dacnusini. In afternoon went again to Trawalua & swept sides of old track through scrub, shallow depression beside track, sides of stream S. of track, & part of much "drain" which crosses track & runs N. towards the "castle". Also swept some insects on my way home at Bundoff cross roads from Mullaghmore fork, N. of Bundoff Lough.

3.8.33. Glen N. of Kinlough (~~in~~ above angle of roads from Bundoran & Ballyshannon), Co. LE. 12.30–1.30 PM.

Hemiteles or small Phygadeuon, 1♀   Phygadeuon small ♀.
Microctonus ? ♀   M. ? 1♂.   Aspilota ? 1♀.
Gnaptogaster, not true [illegible] 1 = ? A. elegans ♂
Phaenocarpa conspurcator 1♀.
Pentapleura pumilio? 1♂.
Aspilota 1♂.

Also Stenomacrus 1♂? Polyblastus 1♀.
Promethes cognatus 1♂
Mesoleius 1♂ & 4 small Campoplegids.

Dacnusa leptogaster. Haliday form 1♂ (subsequently broken & destroyed!). D. areolaris 1 etc. D. [illegible] at 5.0 [illegible] D. discolor 1♂. D. divergens [illegible]
1 Procto (but broken off & replaced!).   1 Chalcid.

3.8.33 cont. Trawalua, Co. SL.
Just dry enough in spots to sweep, very warm & still.
Many insects brought home unmounted! [These not included in list below.]

~~Dicaelotus?~~ Epitomus pygmaeus 1 small ♂ | Abia sericea 1♂, 1♀ taken; others seen.

Cremnodes atricapillus ♀   Pezomachus 1♀.
Pimpla "similis" 1♀.   Atractodes [illegible]? 1♂.
Genarches sulphuratus ♀.   Lagarotis pulverea? 1♀.
Stenomacrus spp 2♂♂, 1♀.   Promethes cognatus 1♀.
Diaparsus? ♂, 2♀♀, spp.   Mesochorus 1 very small ♀.
Some Proctos etc. including 2♀ Paracodrus apterogynus Hal.
Microbracon [illegible].

Macrocentrus collaris 3♀♀. Orgilus obscurator ♀♀. Sigalphus caudatus ♀
Chelonus 1   Ascogaster 1.   Microgaster? 1
Meteorus 2♂♂, 2♀♀, several spp.
Blacus 2   Diospilus 1   Euphorus 1
Opius [illegible].

Alysia tipulae?? 1♂
Pentapleura?? 1, small ♂.   Phaenocarpa ruficeps? 1♀
Dacnusa pubescens 1♀   D. leptogaster? several 2♀♀ of Haliday   D. [illegible]? 1♀
D. gibbipes 1♀. D. [illegible]? 1♂   D. divaricata 1♂
D. areolaris ♂♂ & ♀♀ (1♂ large & 1♀ etc.) 1♂ small. Chaenusa conjungens 1♀.
Coelinius 1♂   Ephedrus 1♀   Aphidius ♂.   P.T.O.

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3.8.33 cont. [illegible], Co. Sl. cont.

Scrub on E side of road from Trawalua to Mullaghmore, just S. of fork, N. of Bunduff Lough, Co. Sl. Labelled "Bunduff Co. Sl. AWS 3.8.33"

Pezomachus fasciatus 1♀. Eurytoma 1♂.

[illegible] [illegible]? 1♂. Orgilus obscurator 1♀

2 Bracon.

2 Chalcids.

[illegible] [illegible] 1♂

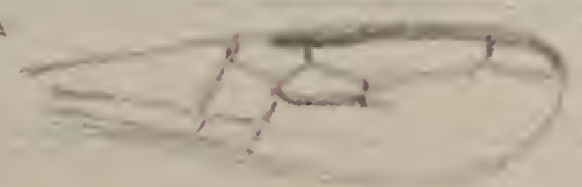
1 specimen taken this date found in 1938 labelled 4.10.33 & not 4.8.33! AWS.

4th August 1933. Very warm, & not misty for once, turning fine & sunny in afternoon at 4.30 PM.

Did not go out in morning, but went to Trawalua, Co. Sl., again & swept sides of track & depression beside track beyond road (=1)*; & sunk drain, N of track (=2)*. 3.30–6.0 PM

Many insects brought home unmounted.

In the first sweep at 2 I took a very queer (? a freak) Alysiid with enormous head & body like Pezomachus inops. The neuration suggests a possible freak of Aspilota & two other ♂♂ with similar head, but normal neuration, taken during afternoon (also some the previous afternoon). The wings are like →



* Those taken at 1 not so marked, but those taken at 2 all labelled "Trawalua (2)." AWS

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4.8.33 cont. Trawalua, Co. Sl., cont.

[illegible] 1 large ♂ taken, others seen at same place as on 29.7.33.

[illegible] [illegible] ♀ at 1.

[illegible] [illegible] (? var. [illegible] Hel.) 2 very small ♀♀, all small wings.

Hemiteles [illegible]? 1♀. Eurytoma? 1♂ & 1♀ (? attached).

Hemiteles ? or Pezomachus, 1 red ♂ neuration and wholly transparent (also a similar ♂ carded, with darker neuration).

Cryptopimpla blanda 2♀♀ at 2.

Glypta mensurator 1♀ at 1. G. nigrotrochanterata? 1 large ♀ at 1.

Bassus [illegible] 1♂. Promethes sulcator 1♀ at 1. P. [illegible] 1♂, P. [illegible] 2♂♂, 2♀♀. [illegible]? 2♀♀ (one larger than others)

[illegible] [illegible]? 1♀? Mesoleius small, red & black, ♀.

Mesoleius 1♀ at 2, black thorax & bright orange abdomen.

Plectiscus? 1♀ carded. Stenomacrus 1♂ St. [illegible] 1♀.

P.T.O.

154.

4.8.33 cont. Travallue, Co. SL, cont.

Bracon [illegible] 1♀. B sp. small [illegible] B sp.? 1♂ ♀.

Zele discolor Wesm. a magnificent ♀! Macrocentrus marginator or M. collaris 1♀.

[illegible] [illegible], 1♂

Opius [illegible] ♀ at 1. Opius ([illegible]) 2♂♂, 1♀ at 2.

Rhogas [illegible] black, 2♀♀ (? both) at 2.

Blacus [illegible] 2♂, 1♀ at 1. 3 sp. smaller 1♀ at 1.
~~[illegible] [illegible]~~ ([illegible] 28.12.1934. See note on p. 52 ante!)
Stet! ~~[illegible] [illegible]~~ 1 (fresh) ♂, see above (p. 153); also 2 normal ♂♂?

Orthostigma pumila, 1 small ♂ at 1. Pentapleura pumilio 1♂ at 1. Phaenocarpa [illegible] 1♂ at 1.

[illegible] [illegible] 2♂♂, 1♀ ([illegible]). [illegible] affinis 1 small ♀ at 1.

[illegible] [illegible] 2♂♂ ([illegible]), [illegible], at 1 & 2. [illegible] 2 & 2♀♀ at 2.

1) sp.? ♂ & ♀ at 1, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible], antennae with 31 joints, [illegible] [illegible] [illegible] [illegible] [illegible].
2) [illegible] 3♂♂, [illegible] [illegible], one with 25, the other 30-jointed antennae, [illegible] with [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
3) [illegible] [illegible]

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5th August 1933. Very hot, all sunny, very close, almost windless. Drove to Shriff wood at head of L. Gill, Co. LE & collected there for about 3 hours, then back to Lough Colgagh, Co. SL, where collected for an hour on margin (& slopes S of, below road) of the lake which has a subterranean outlet.

Shriff Wood, Co. LE. 1.0 till 4.0 PM. Intense damp heat.
Swept marshy spots in wood & stream, & extensive swampy place behind hay fields at N.E. corner of L. Gill where the wood ends.

Bombus agrorum, lucorum (♂♂ & fresh ♀♀), hortorum, ~~[illegible]~~
Psithyrus barbutellus 1♂, distinctus ♂, campestris & rossiellus ♂♂ very fresh
Black [illegible] = Heptamelus ochroleucus ♀, RCLP 17.9.34.
Hyposoter quadriannulatus 1♀. Ichneumon [illegible] 1♀
Pimpla pallida? 1♀. Gravenhorstia "flavitarsis" 1♂
Tryphon brachyacanthus 1♀. Aerodactyla degener 1♀.
Promethes sulcator? 2♂♂, 1♀. P. [illegible] ?? 1 small ♂

Hemiteles sp. 9 [illegible] (crushed)

Mesochorus sp. 1♀. Gelis sp. 1♂

[illegible] sp.? 1♂ (tips of antennae "flicked" off when labelling!)
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] ♂ [illegible]
P.T.O.

5.8.33 cont. Slish Wood, Co. Sl. cont.

Collastes braconius ? 2♀♀.

Pentapleura angustula 1♀

Chaenusa conjungens 1♂ (broken later!)

Gyrocampa affinis ? 10♂♂ & 3♀ ([illegible] antennae mostly typical, but 1♂ & ♀ with 22 jointed antennae & no notauli [illegible] hardly typical & ? another species.

Dacnusa pubescens ? 1 ♂ and ♀, D. leptogaster ? (lateralis group) 2♂♂, with 22 jointed antennae but ? [illegible] or Nixon's pubescens [illegible]

D. discolor 1♀, oddish D. areolaris 5♂ & 2♀♀, bolt-headed form!

D. sp. ? ♂♀. with smooth pleural furrow, 22 jointed antennae, [illegible] full pale legs & broad [illegible].

D. laevipes ♂ D. heringi 1♀ odd.

D. sp.? 1♀ like areolaris [illegible], but [illegible] & smooth stigma & red legs, with [illegible] only [illegible] & 22 jointed antennae. = D. lenta Nixon fide Nixon. 4/4/38.

5.8.33 cont. Slopes below road at S. shore of Lough Colgagh, Co. Sl. 5.30 till 6.30 PM.

Hemiteles ? spp. 2♂♂, 1♀.

Pimpla brevicornis ? 1♂ Lissonota bellator ? 1♂.

Homocidus tarsatorius 1♂

Bracon sp. of discoideus ? 1♂ B. epitriptus ? [illegible] 3♀. B. sp. of pandatus ? 1♀

Orthopelma [illegible] ? ([illegible] ?) 1♀

Mesoleius [illegible] black ♂

Opius 1♀

Pentapleura pumilio 1♀.

Gyrocampa uliginosa 2♂♂, 1♀ G. affinis 1 large ♂.

Dacnusa abdita ? ♂, 1 fine ♀ This is made a paratype of his D. crassa Nixon fide Nixon 9.11.1936. A.W.S.

D. ~~leptogaster~~ ? ♂♂, with 22 jointed [illegible] D. discolor ? ♂

D. sp. of smooth [illegible] small ♂♂ & ♀ [illegible] with 21 jointed antennae.

D. areolaris ♂♂ & ♀♀ (1♀ odd).

Chaenusa conjungens ♂♂ & many ♀♀. probably on lake shore.

Coenocholax ? 1♂, 2♀♀

6th Aug. 1933. Dull & chilly in morning, almost raining; very fine & sunny after 2.30 P.M., but cool N. breeze.

Did not go out in morning; in afternoon drove up Glenade, but all damp there & drizzling, so turned back & collected on Donegal bank of R. Drowes one mile below L. Melvin & below bridge at Gubacreeny. Co. ED.

Bethylus [illegible] 1♂, with yellow front femora & tibiae ♀

Centeterus? 1♂, curved radius

Pachymerinus vagans 1♀ Stenomacrus [illegible] 1♂.

Stilpnus ♂. Eudelus [illegible] large ♂

Phygadeuon sp. of [illegible] 2♀♀. ♂ id. ♀

Hemiteles sp. 2 red ♂♂. H. sp. ♂ [illegible] H. sp. [illegible] ♀

Mesoleius ♂ Aniseres [illegible] 2♂♂, 2♀♀

Bracon [illegible] 1♂, ♀. Bassus sp. 1♀. Meteorus sp. 1♀.

Phaenocarpa [illegible] 1♂, ♀.

Chorebus congruens 1♂

Gyrocampa affinis 2♂♂ G. stigmaticus 1♂

D. areolaris, std. 2♀♀; one small with 29-jointed antennae; one large, with long [illegible] & 36-jointed antennae.

D. 1♂, 1♀ of [illegible]. D. sp. 2♂♂, one with broad head, [illegible] antennae & short [illegible] (= D. raiva Nixon, fide Nixon 9.11.1936.) the other with more cubic head & 25-jointed antennae

D. sp.? 1♀ with 31-jointed antennae & [illegible], 1st abd. segment

D. similis ♂, 2♂♂? with black head.

[illegible]

7th August 1933. After a fine early morning, dull, chilly & SE & SW strong wind. Fine in the aft.

Went back to Streedagh, Co. SL., & worked same place as on 27.7.33, but little to be got. 12 noon till 2.0 P.M.

Bombus muscorum again frequent!

Halictus albipes ♂♂ common, by sweeping.

Centeterus? ♀ [illegible] in same kind of [illegible] & [illegible] as that on 27.7.33.

Some weeks later, [illegible]

Sobanonchus [illegible] 1♂. [illegible] 1♂.

Melanichneumon? 1♂. Cryptus ♂

Stilpnus 1♂. Pimpla brevicornis 2 large ♀♀, & 2 small ♀ same species or [illegible]

Pimpla alternans, var. "ratzeburgi" 1♀

Lissonota bellator 1♂. Homocidus tarsatorius 1♂.

Perilitus? red & black ♀.

Meteorus (Zemiotes) [illegible] 1♀.

Bracon sp.? ♂ [illegible]

-

Microgaster 1♂, 1♀. Microplitis mediana? 1♂ M. [illegible]? 1♀

Opius 1 small ♀, near (?) pygmaeator, but [illegible], with tail? orange-red.

Dacnusa 2 large ♂♂, 2 small ♀♀ (? all [illegible])

Sigalphus caudatus 5♀♀

Perilitus 1 black ♂ (Ecclitura) & 2 ♀♀, with [illegible], small, longer

Dacnusa discolor?, 1 black ♂. D. areolaris? = confirms Ruth. fide Nixon 4.4.1938. D. [illegible]

Chorebus congruens ♂. Gyrocampa stigmaticus? 1♂, with [illegible]

P T O

7th August 1933. Afternoon. Misty rain followed by wet evening. Left Strandhill about 2.0 PM & drove on to Raghly. Stopped in my sheltered "glen", N. of Lissadell, Co. Sl., [illegible] great growth of Angelica, &c. Here swept for half an hour till vegetation became too wet. Very good ground.

Some unmounted insects, brought home dry.

Promethes cognatus 1♂, 1♀.

P. laticarpus 1♂.

Homocidus pectoratorius, 1 small dark ♂. H.

Bracon [illegible] 1♀. Chorebus [illegible] 1♀.

Aspilota several spp.

Opius several spp.

Aspilota distracta? 1 several other spp.? 1 small ♀ with only 14 joints in antennae.

Pentapleura pumilio? 1♀

Dacnusa areolaris ♂♂ & ♀♀ of various sizes, including 1♂ with faint stigma. D. tenuicornis? 1♂

D. gilvipes ♂, 3♀♀, one with long ovipositor! D. [of ovalis] laevicornis? 1♂

D. lateralis 1♂.

Chaenusa conjungens ♂♂ & ♀.

8th August 1933. A fine day, with [illegible] light rain & S.W. wind, with storm & some rain at night.

Only collected in afternoon, when returned to glen N. of Kinlough, Co. LE, as on 26.7 & 3.8.33.

Salandria morio 1♀, with legs.

♂ & ♀ [illegible] with broad [illegible], ♀ all black, ♂ [illegible] black [illegible].

♂ red & black, ♀ [illegible].

Hemiteles? 1♂ [illegible] Eudelus sp. 1 small ♂

[illegible] 1 small ♂. Promethes cognatus 2♂♂.

Angitia? 1♂ Meloboris? 1♂

Bracon sp. 2♂♂, 1♀.

Oncophanes minutus or lanceolator? 1♀. Meteorus 1♂

Ascogaster? 4♂♂?

Eubadizon extensor 1♀. Blacus ruficornis 1♂ B. humilis 1♀.

Opius 2 spp., 1♀ of each.

Alysia 1♂ Phaenocarpa picinervis 2♂♂ & 1♀. P. conspurcator ♀

Pentapleura pumilio 1♂, 1♀. Aspilota fuscicornis? 2♀♀ (larger, smaller). A. distracta? 1♀

Coelinius elegans ♀.

Chaenusa conjungens 1♂, 5♀♀. Gyrocampa affinis 2♂♂, 2♀♀ [illegible]

Dacnusa areolaris [illegible] 1♀ [illegible]. D. [illegible] 3 [illegible]. D. [illegible] ♀ [illegible] black head.

D. lateralis ♂?? D. [illegible] 1♀. [illegible]

D. sp. very strange type [illegible] antennae 1♀.

[In house, Bundoran, ED. 8.8.33. Clistopyga incitator, 1♂ lightly coloured ♂.]

9th August 1933. A fine day, with rain gleams & strong, keen, cool, westerly wind. Few insects out.

Woods & meadows at Knather, between Ballyshannon & Belleek, Co. ED., as on 24.7.33.

Bombus agrorum 1☿ was the only [illegible] seen! [illegible]

[illegible] ? 1♂ [illegible] ♀

[illegible] [illegible]. [illegible] flavicans 1♀. [illegible] [illegible].

[illegible] [illegible] 1♂. [illegible] medius? 1♀.

Eristalis pertinax 1♂. E. [illegible] ? [illegible] [illegible] [illegible] 1♀. [illegible] [illegible] 1♂

[illegible] ? 3♀♀

[illegible] [illegible] ? 1♀. [illegible] sp. 1♂, 1♀. [illegible] [illegible] 1♀

Rhagio tringarius? 1♂, 1♀ R. lineola? 1♂

Clinocera [illegible], 1♂ in marsh at Rhododendron bank.

[illegible] ? [illegible].

Oncoplatia? [illegible] ? 1♀
[illegible] [illegible] 1♀.

[illegible] [illegible] [illegible] 1♀. [illegible] 1♂.

Pentapleura pumilio 1♂. P. angustula 1♀

Aspilota [illegible] ? 1♀. A. sp. 1♂ 1♀.

Dacnusa [illegible] ♂♂, ♀♀ D. [illegible] ? 1♂(?) with antenna broken.

D. areolaris, [illegible], ♂♂ 2♀♀. D. [illegible] 1♀. D. sp. [illegible], 1♀.

Chaenusa conjungens ♂.

Raon ? 1♂.

9.8.33 cont. Knather, Co. ED. cont.

Many Chalcids & Proctos.

10th August 1933. A very fine day, with much sun. In morning returned to marsh, near Finner old church, beside Ballyshannon road, Co. ED.; & in afternoon to Travalla.

Lane, meadow, marsh, mint etc, marsh just E. of Finner old church, Co. ED. as on 2.8.33.

Dacnusa rotundiventris? 1♂ 3♀♀. D. sp. [illegible] 1♀.
(= Dacnusa [illegible], fide Nixon 9.11.1936. [illegible]

D. discolor? 1 black ♂ [illegible] [illegible]. D. gahani 1♀

Chaenusa conjungens 1♀. [illegible] [illegible] 1♀.

Pentapleura fuliginosa 2♂♂. [illegible] [illegible] 1♀

[illegible] [illegible] 1♂. [illegible]

[illegible] [illegible] ? 1♀. [illegible] [illegible] 1♂ [illegible] tener 1♀ [illegible] 1934

[illegible] ? 1♀ 2♂♂. [illegible] [illegible] 2♂♂

[illegible] [illegible], 1♂ [illegible] [illegible] 1♂ [illegible] [illegible] 1♂

[illegible] 1♀ [illegible] ? ♀

10·8·33 aft. Trawalua, Co. Sligo, as before. All insects swept either in cross drain or round field of rye in marsh (=2) or along old track (=1).

Banchus? 1♂. Stilpnus gagates. 5 ♀ Cryptid. Hemiteles? 1 small ♂ carded, at 1.

Lampronota 1♂, Pezomachus 1♀ [illegible], very polished. Phygadeuon [illegible]? 1♂.

Mesoleius sp.? 1♂ 1♀. Stenomacrus 3 ♂♂ carded, at 1.

Porizon? = ? "Thersilochus" [illegible] ♂ & ♀ orange abd., in drain at 2. P. sp.? black & red 1♂, ♀.

Exochus [illegible], 1 large ♂. Ctenis[illegible],

Promethes sulcator 1♂ 1♀. P. laticarpus 1♂. P. cognatus 2♂♂ 2♀♀.

Homocidus pictus? 1♀. [illegible] tibialis? 1♀.

Mesoleptus 2 sp. 2♀♀. Plectiscus 1♀ carded at 1.
[illegible] 1 & [illegible] at 2.

Microctonus { 1♀ ; 1♀ } [illegible] at 2. Eubadizon braconinus ♀ at 2. Hormius moniliatus 1♀ at 2. [illegible] lanceolata [illegible]? 1♀ at 2.

Clinocentrus? [illegible] 1♂ at 1. Orgilus obscurator 1♀ at 1. Cyathus.
[illegible] 1♂ at 1 ?

Meteorus [illegible]? 1♀, with 15-jointed antennae at 1. M. sp. 2 ♀♀ at 1 & 2.

Blacus [illegible] 1♀ at 1. Centistes [illegible] 1♂ at 2.

Dacnusa abdita 1♀. D. lateralis? 1♂ (?). D. [illegible]? 1 black ♂, 1 black ♀ at 2.

D. n. sp. alva 1♀ A.W.S. 30/12/1937 near [illegible] Nixon.

D. discolor 8 ♂♂, 2 ♀♀ at 1 & 2, some dark, some red. D. sp.? 1♀, near [illegible], but [illegible]

D. sp. ~~?~~ (~~?~~ sp. "C.C.") 1♀, (of also with [illegible] ♀). 1♀ of "C.C." given to Nixon 1934, with 27-jointed antennae. D. "[illegible]" bald-headed ♂, [illegible] ♂ at 2.

Gyrocampa affinis 1 small ♂ (?). Coelinius elegans? 1♂ at 1.

Gnamptodon pumilio 1♂ at 1. Opius 1♂ at 1. & 8 [illegible] at 2.

Alysia [illegible]? 1♂ at 1 } + 2 ♂♂ at 2 }. (?) [illegible] pumilio 1♂ at 1.

Aspilota [illegible], 1 [illegible] & [illegible], 1♂, 1♀ at 2. Aspilota [illegible]? (see p. 52 & 154 [illegible]) ~~[illegible]~~ 2 ♂♂ at 2.

[illegible] 1♀ at 2. ~~Opius sp.~~ O. rufipes? 1 [illegible] ♀ at 2. O. [illegible]? at 2.

/

1st August 1933. A perfect day & nearly all sunny after 1 PM. Did not go out till noon & then down to Bunduff strand. Only collected along cliffs by sweeping grass, fern, & other herbage, which was covered with salt spray & kept wet & sticky) (=1) & on edge of field above cliffs, as in 1932, (=2). Pachynematus "umbripennis" R.C.L.P. 179 34.

Bombus muscorum, agrorum, lucorum, hortorum & derhamellus.

Alomyia debellator 1 red ♂, 1 black ♂.

Hemiteles? 1♂. Cryptus 1♀.

Pimpla brassicariae? punctulata? 1♂. Pimpla [illegible] 1♂.

Cryptid [illegible] ? 1♂. Tryphonid black & red ♂.

Bassus [illegible] 2 ♂♂. Homocidus [illegible] 1♂.

Polyblastus? red ♀.

Mesoleius (Bassidae?) [illegible] 1♀. Mesoleius sp. 1♀.

Orthopelma? 2 ♀♀. Cryptid? 1♀, [illegible] [illegible] [illegible], ♂, [illegible] & [illegible] carded. [illegible] [illegible]

Macrocentrus sp. 2 ♂♂. Syrphus? [illegible] 1♀ & 1♂.

Perilitus ♀. [illegible] oleraceus 1♂. Aphidius 2 sp. ♂ & ♀.

[illegible] [illegible] 4 (all ♂♂).

Dacnusa sp. of "C.C."? 8♂♂, on cliffs at 1. —10♂, 32 [illegible], given to Nixon 1934. D. [illegible] [illegible]

Aspilota [illegible]? 2♂♂, ♀, very small. [illegible] [illegible] [illegible]

3 Proctos.

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12th August 1933 Another perfect day: all sunny. Left Bundoran at noon & drove on to Killybegs. Stopped to collect at Inver, W. of Mountcharles, Co. W.D., for lunch & later collected a few insects on shore near Fintragh, West of Killybegs, Co. W.D.

Marsh, with Iris, reeds, &c., at sea level, along left-side of estuary of Eany Water, at Inver, just below steep bank on which side road runs. Good ground.

1.30 till 2.30 PM Co. W.D.

Brood of Apanteles or Microgaster cocoons taken on blade of grass from which subsequently emerged seven (? six) ♀ [illegible] on 31st Aug. (3), 2nd Sept. (2), 4th & 5th Sept. (1 each) 1933. These ♀♀ ? of two or three species.

Body of young caterpillar found on grass (dried, along [illegible] Rhogas?) from which emerged on 29th Aug 1933 a hyperparasite, namely, Mesochorus ♀.

[illegible] 1♀.

[illegible] ?? 1♂. Early [illegible]

Meniscus impressor 1♀ taken on stump with fingers.

Acrodactyla degener 1♀

Hemiteles ♂ & 2♀♀ of 3 spp.? carded.

Stenomacrus? a large yellow faced ♂ carded.

Bracon fulvipes 1♀ Rhogas bicolor? 1♀

Opius 1 small ♀.

Alysia rufipes? 1♀

Aspilota 1♀.

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12.8.33 cont. Marsh at Inver, W.D. cont.

[illegible] [illegible] D. [illegible] [illegible], [illegible] 1♀

[illegible] D. [illegible] [illegible]

[illegible] 1♀ [illegible] [illegible] common.

3 [illegible] little Proctos

1 long-tailed ♀ Chalcid (? Torymus sp.)

12.8.33 cont. afternoon. 5.0 till 6.0 PM.

Shore of small rocky inlet, E of Fintragh, Co. W.D.

[illegible] ? 1♀. } under seaweed

[illegible] ? ♂ & ♀♀ } on shore of creek.

One has perfect wings & is probably another species!

[illegible] [illegible]? ♀ caught [illegible] about 10 ft above high tide.

13th August 1933. Did not go out in morning & misty rain all afternoon & evening. Caught one ♀ Hemiteles on wall of hotel outside bedroom window (3rd storey!). Ophion [illegible] given [illegible] to shore beyond [illegible] Killybegs.

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14th August 1933. A perfect day, with falling barometer & followed by depression with heavy rain at night.

Drove to Owenree River, beyond Carrick, Co. W.D. & ascended Slieve League, from N.E. & One Man's Path (much overrated as regards danger) & returned by N.E. slope & Lough Agh (in which are Limnaea peregra, Heteromeyenia ryderi, Polyzoan, Lobelia, Sparganium, Littorella (& ? Isoetes), but saw no sign of any Coleoptera, though I had hoped to rediscover [illegible] [illegible]. Hymenoptera by no means scarce on sheltered heather covered slopes, but mainly ♂♂ Cryptids. By sweeping rushes ♂♀ several Proctotrupids taken & 1♀ Chasmias [illegible] at ca 1,100 ft. In a large isolated tussock of Juncus effusus at about 1800 ft. on S E spur (S.E. of 'Holy Wells') I swept large numbers of Apanteles (7 of which only taken & these all ♂♂). In middle of One Man's Path took ♂ Ichneumonid & another of same species also taken near summit

Bombus muscorum & jonellus frequent on heather to at least 1,500 ft.

B. agrorum 1♀ seen during descent.

Apis mellifica ☿☿ abundant on heather to at least 1,200 feet.

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14.8.33 cont. Slieve League, W.D. cont.

Ichneumon ♂ red ♂ Hemiteles ? & small [illegible]

Cryptus [illegible] [illegible]. Cryptus ♀ [illegible]

Phygadeuon ? [illegible]

Mesoleius ♂ 3 ♂♂ Tryphonid red, [illegible]

Ichneumonid 2 ♂♂ (one taken in middle of One Man's Path, the other [illegible] top ?)

Meteorus 1♂

Apanteles 7 ♂♂, out of many swarmed in clump of rushes at 1800 ft

Chasmias [illegible] 1♀ at about 1,100 feet on ridge NE of the Lough

(Cryptid ?)

14.8.33 afternoon. 5.30 PM.

Collected a few species by sweeping marsh on edge of Owenree, & NE of Slieve League & West of Carrick, where we left car. Co. W.D.

Glypta elongata 1♀, very red.

7 ♂♂ Cryptids

2 small [illegible] [illegible]

1♂ [illegible] Campoplegid, very small & slender [illegible] ?

Perilitus ?

Phaeogenes [illegible] ? 1♀.

Dacnusa sp.? (cf. sp. CC) 1♀

Aphidius ♀ 1♂

15th August 1933. A poor day, with high W. wind & frequent showers, after gale & rain all night. In afternoon drove to Ardara, Narin, Portnoo & Rosbeg & home. All Co. W.D. Took Pentapleura pumilio ♂ in marsh near Narin, & Glypta elongata? ♀, ♂ in marsh by outlet of Kiltooris Lough, but vegetation too wet & wind too high to expect any results by sweeping. Hemiteles ♀ (same as taken on 12th) taken inside bedroom window.

In evening a few species taken with sweeper along ditch on old road from Killybegs to Ardara & about 1 mile N. of former.

[illegible] ♀
Homocidus cinctus ♀ of black form.
Mesoleius [illegible] ♀.

Dacnusa dimidiata : 1♂.
Aphidius 1♂

16th August 1933. A perfect day, nearly all sunny, with S.W. wind.
Drove via Carrick to strand at Malin Beg, where collected a couple of hours, then to Glencolumbkille, where collected along roadside W. of village & in marshy fields N. of village. All Co. W.D.

Marshy spots above & on slopes above strand, & sandy slopes below cliffs, Malin Beg, Co. W.D.
12 30 – 2.30 PM.

On the cliffs behind strand a most curious association of plants occurs, including Juniperus nanus, Schoenus nigricans, Populus tremula, Empetrum nigrum, & at foot of cliffs in one gully a magnificent patch of Maidenhair Fern (Adiantum capillus-veneris). The last grew within six feet of the sand & covered a patch of calcareous tufa on the sheltered side of gully (facing E!), actually below the level of some of the ordinary sea-shore plants. Helix nemoralis covered the cliffs right down to foot of cliffs. Near northern end of bay, where coltsfoot grew, were many ♂♂ Halictus & other aculeates

172.

16.8.33 cont. Malin Bay, Co. W.D. cont.
Bombus agrorum & B. lucorum, 1 faded ♀.
Halictus calceatus ♂♂ common. H. albipes ♂.
H. freygessneri ♂ at north end of cliffs.
Crabro palmipes ♂♂ & ♀♀ on coltsfoot.
Mellinus arvensis
Chrysis ignita large example seen on stone.

Allantus cinctus? ♂ on coltsfoot.
Pimpla [illegible] 1♂. Lissonota bellator ♂
Bassus ? 1♂ Cryptus ♂
Promethes laticarpus small ♂ Exochus flavomarginatus ♂ Stenomacrus 1♂
Mesoleius 1♂ Opius sp. 2♂♂.
Phaenocarpa ruficeps 1♂.
Aspilota distincta? 2♀♀ 4 sp.? ♂

Chaenusa conjungens
Dacnusa areolaris by drain in top of cliff. 2♀♀ ald. (one with [illegible])
D. = obsignata Nixon 1937. sp. cf. sp. of C.C.'s — 1♂ with 31-jointed antennae, seen by Nixon 11.5.34! 4♂♂. Among grass near ♂ ♀ by stream about 20 feet above strand at S. end of cliffs.
D. leptogaster? 1 very black ♀. Gyrocampa affinis 1 small ♀. Chaenusa conjungens 2♂♂.
Ephedrus ♂.

= D. confinis Roth. Fide Nixon. 11/11/35.

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16.8.33 cont. Glencolumbkille Co. W.D.
4.10 till 5.30 P.M. Labelled
G'C'cille
Killybegs dt.
Co. W.D. A.W.S.
16.8.1933

Swept along roadside W. of village & in swampy places in fields N. of village & down, near new concrete bridge over the northern river.
Phygadeuon? 1♂ Hemiteles 1♂ [illegible]
Cryptus, small ♂. Cryptus, 1♀. Cratichus small ♂
Tryphonid 1♂. Promethes sulcator? 1♀
Campoplex? 1♂
Meteorus 1. Aspilota [illegible]? 1♀.
4 other Campoplegids

Meteorus 1♂ Syntretus? 1♀
Perilitus 1
Aphidius spp. 2♂♂
Chaenusa conjungens 5♀♀.
Dacnusa areolaris ♀♀, rare; one ♀ ald.
D. striata 1♂. D. sp.? 1♂? [illegible] [illegible] possibly [illegible] but [illegible] [illegible]
D. sp. (valida C.C.?) 1♀, [illegible]
Gyrocampa affinis ~~several~~ ♂♂ & ♀♀ of various size
" " var. major ♂♂ & ♀♀ abundant in drain filled with rushes &c, near bridge.

4 Braconids
3 Chalcids.

17th August 1933. Misty rain & S.W. gale all day, following arrival of another depression during the night.

In afternoon drove to Bruckless, Co. W.D. & attempted to sweep roadside & rushes, or in fields until further rain made collecting quite impossible.

Rushy fields, roadside, &c, Bruckless, W.D.

Strombocerus delicatulus 1♀ (very late date!)

Hemiteles 2 small ♂♂ (or more) Phygadeuon? 1♂ Stilpnus gagates 1♂

Pimpla [illegible] 1♀ Lissonota sulphurifera 1♂ on Angelica & roadside.

Zygota [illegible] 1♂ Promethes sulcator 1♂♂ P. laticarpus 1♂,

Microleptes [illegible] 1♂ [illegible] 1♂, 1♀ Meloboris 2♂♂ 1♀.

Campoplex vulgaris? 2♀♀ [illegible] 1♂, 1♀ (? [illegible])

[illegible] 2 ♂♂

[illegible] 1♂ Opius 1♀.

Dacnusa striatula 1♂, 1♀.

D. [illegible] (field labelled) 2♂, 3♀♀

3 Chalcids, 1 Proct., 1 Cynipid.

18th August 1933. A poor day, showers & misty rain almost all day or at least at frequent intervals & sweeping only possible with a wet net. Yet small hymenoptera plentiful!

Swampy fields at Bruckless, Co. W.D. as on previous day. 11.30 till 1.0 P.M.

Selandria morio? 1♀ Taxonus equiseti? 1♀.

Hemiteles ?? small ♂♂ carded. Pezomachus [illegible] ? 1♀ carded

? Plectiscus 1♂, ♀, carded. = Helictes [illegible] ?1♀ [illegible]

Microbracon 1♂ [illegible] 2♂♂

Blacus [illegible] 1♂ Opius [illegible] 1♂, 1♀.

Dacnusa areolaris 1 large ♂, 1 small ♀, only mounted 1 common.

D. striatula 1♂ 1♀. D. (rotundiventris?) 1♂.

D. [illegible] 1 red ♀.

Gyrocampa uliginosa? 2♂♂. G. affinis? 1♂.

Chaenusa conjungens? 1♂, 2♀♀.

Ichneumon [illegible] ♂? Lissonota sulphurifera? 1♂.

Glypta elongata 1 small, dark, ♀. Zootrephes [illegible] 2♀♀ (?)

Promethes sulcator 2♂♂. P. laticarpus 1♂ Homocidus signatus 1♀

Meloboris [illegible] 3♂♂, 2♀♀. Angitia? 2♀♀.

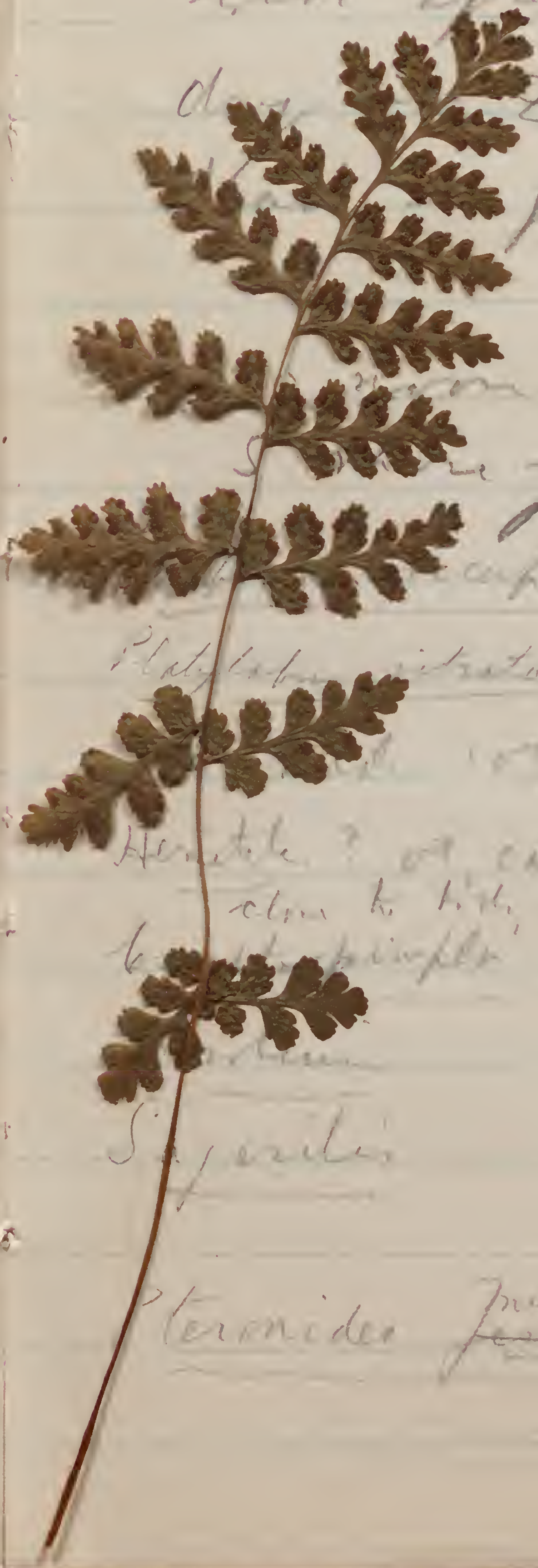
18.8.33. At dinner, 2 PM., M.D.S. found small Proct. or Chalcid crawling on table in Bowen's Hotel, Killyleagh, W.D.
= the Anobium parasite

18th August 1933 cont. Afternoon!
Bonnie Cottage, & field N. of same on
Bruckless peninsula (opposite Killybegs), Co. WD
3.30 till 6.0 PM. Several showers!
Most ichs taken in lee of Fuchsia hedge in front of cottage: most Braconids taken by sweeping marsh in field adjoining.

Cryptid ♂ [illegible]
Hemiteles [illegible] H. [illegible] stumpy ♀ (carded).
Pezomachus 1♀. Glypta elongator 1♂, [illegible]
Promethes sulcator 1♂ [illegible] Homocidus pallipes ♂ [illegible]
Mesoleius? 1 small, red, ♀. Exochus tibialis 3♂♂, 1♀ at Fuchsia hedge.
Triclistus globulipes 1. Tryphon brachyacanthus 1♀.
Campoplex? [illegible] 1♂
Microbracon [illegible] Meteorus 1♀.
Rhogas testaceus 1♂ 1♀. Chelonus [illegible] Coelinius 3♂♂
Opius 2♀♀. Aspilota 1♀, very broad!
Dacnusa lateralis [illegible] D. [illegible] 3♂♂. D. [illegible] 1♂
Dacnusa senilis (black bodied) ♀. D. leptogaster [illegible]
[illegible] 1♀ Phaenocarpa conspurcata 1♀ Aspilota 1♀.
Chalcids?
Proctos 3, including
Scelio? Gryon? [illegible]

[illegible]

19th August 1933. A fine day, with much sun & strong westerly breeze.
Left Killybegs at 9 A.M. & arrived home in Dublin at 7.30 PM. Stopped in Bundoran for various items & to collect at Lough Tobercanavan, Co. SL. & Castle Forbes, Co. LF. as on 22.7.33. Everything wet in the west after a week's rain, off & on; all burnt dry [illegible] Dublin & many Saxifrages, &c., quite [illegible] garden!



[illegible] till 1.15 PM.
[illegible] of L. Tobercanavan, Co. SL.
[illegible] cephalus 1♂ ([illegible] black var.) Barichneumon! 1♂
Platylabus iridipennis (= albinus). Phaeogenes? 1 black ♂ [illegible]
[illegible] 1♂, 2♀♀ of 2 sp.: } [illegible] (Schiodte) [illegible]
Hemiteles? ♂ carded with curious venation in front wings, stigma very close to base, & apical 1/3 of wing forming 2nd cubital cell.
[illegible] blanda 1♀.
[illegible] 1♀ [illegible] red ♂
Sigalphus 1♀ [illegible] 1♂ 1♀.
Pteromalus [illegible]? 1 large ♀ [illegible] 1♀

18th August 1933 cont. Afternoon!
Benvoe Cottage, & field N. of same, on Bunklen peninsula (opposite Killybegs), Co. W.D.
3.30 till 6.0 PM. Sunned & warm!
Most ich. taken in lee of Fuchsia hedge in front of cottage; most Braconids taken by sweeping rush in field adjoining.

Cryptus ? 1♂, fresh small.

Hemiteles [illegible] (carded). H. [illegible] ♀ (carded).

Pezomachus 1♀. Glypta elongata 1♂ [illegible]

Promethes sulcator 1♂ [illegible] Homocidus pectoralis 1♂. Zootrephes [illegible]

Mesoleius ? 1 small, red, ♀. Exochus tibialis ? 2♂♂, in [illegible] Fuchsia hedge.

Tryphon [illegible] 1. Tryphon brachyacanthus 1♀

Angitia ? [illegible] ? 1♂.

Microbracon [illegible] Meteorus 1♀.

Rhogas testaceus 1♂ 1♀. Chelonus [illegible] 3♂♂ ?

Opius 2 ex. microspila Aspilota 1♀, very broad!

Dacnusa lateralis 1 fine ♂. D. [illegible] 1♀ 3♂♂. D. [illegible] 1♂

Chaenusa [illegible] (? [illegible]) ♀. D. [illegible] 1♂ [illegible]

Chaenusa [illegible] 1♀. Phaenocarpa conspurcator 1♀. Aspilota 1♀.

Chelonidae ?

Proctotrupes, including

Scelio ? Gryon ? [illegible]

[illegible]

19th August 1933. A fine day, with warm sun & strong westerly breeze.
Left Killybegs at 9 A.M. & arrived home in Dublin at 7.30 PM. Stopped in Bundoran for various items & to collect at Lough Tobescanavan, Co. SL. & Castle Forbes, Co. L.F. as on 22.7.33. Everything wet in the west after a week's rain, & so on; all burnt dry in Dublin & many Saxifrages, &c, quite dead in garden!

12.0 noon till 1.15 PM.
S. shore of L. Tobescanavan, Co. SL.

Exetastes [illegible] 1♂ [illegible] Barichneumon ? 1♂

Platylabus [illegible] (= [illegible]). Phaeogenes ? [illegible]

3 Cryptus 1♂, 2♀♀ of [illegible] } [illegible] ♀ [illegible]

Hemiteles ? ♂ carded with curious venation in front wings, [illegible] close to [illegible] & apical 1/3 of wing forming [illegible] cell.

Cryptus [illegible] 1♀.

Mesoleius 1♀ [illegible] red ♂

Sagaritis 1♀ Anilasta ? 1♂ 1♀.

Stenomacrus (?) ~~[illegible]~~ [illegible] ? 1 [illegible] ♀. [illegible] 1♀.

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19.8.33 cont. Shore of L. Tobernacrinn, SL, cont.

Microbracon 2 ♀♀?   3♂♂ ♀♀.

Meteorus ♀ 1♂♂.

Opius ♀♀   2♂♂ ♀♀

Dacnusa gilvipes 1♀. D. areolaris 3♀♀ etc. D. discolor 1♀ Gyrocampa affinis? 1 small ♀ Chorebus conjungens 2 ♀♀

Pentapleura pumilio? ♂. Coelinius niger? (= elegans?) 1♂

Aphidius rubidus? 1♀   Aspilota ♀♀   [illegible] ♂ (pusilla?)

Aphidius ♀ 2♂♂, ♀♀ (all one sp.)   A. [illegible]? 1♂   [illegible] ♂ (very small, ? [illegible])

5 Proctos.

5 Cynipids

12 Chalcids

19.8.33 cont. 2.45 till 4.30 PM.

Swampy ground, NE side of road, at N end of Castle Forbes demesne (¼ mile S of Rinn Bridge) Co. LF (as on 22.7.33).

Ametastegia equiseti? 1♀   Tenthredo?   Labelled ♀?   C. Forbes Co. LF. ANS 19.8.33

Hemiteles ♀♀

Pezomachus ♀.

Leptocryptus [illegible] ? ♀.

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19.8.33 cont. Castle Forbes, LF. cont.

= [illegible]!
Black larva of Cimbex on birch. 1♀ emerged 5.5.34, another ♀ on 9.5.34, while on 22.5.34 38♀♀ of parasite Holocremnus erythropygus, var.? appeared. ANS 1934

Lissonota bellator 1♂.

Clinocentrus [illegible]? ♂.

Mesoleius 1♂?

Meteorus ♀.

Helictes ♂.

Orthocentrus

~~Opius sp.~~ 1♀ = very small Chelonus see below.

Adelius fuscimanus 1 large ♂ & 1 very small ♀! ANS [illegible]

Aphaereta ♂   Aspilota ♂

Dacnusa [illegible] 6♂♂, 2♀♀. D. areolaris ♀ etc. D. [illegible] ? 1♀

Chorebus conjungens 1♀ Gyrocampa stigmosa ?   G. affinis ? 1 small ♀.

Aphidius 2♂♂

Proctos. [illegible]

Chalcids

END of Bundoran Trips. 1933.

Garden at 14 Clareville Rd., Harolds Cross, Dbl.

25th Aug. 1933 8 PM.

[illegible] Vespa vulgaris ♀.

Microctonus [illegible] ♀ Stenomacrus ♂, with pale yellow legs.

26th Aug. 1933 7.0 PM.

[illegible] Hemiteles 1♀ Homocidus pictus ? 1♂, small.

Aspilota 1♀

Several small Proctos &c.

27th Aug. 1933. 7.0 PM.

Pimpla examinator very red ♀, not kept.

3 other [illegible] Hemiteles 2 spp. 1 good

Aneuclis? 1♀

Pezomachus? small ♀, carded.

Dacnusa ~~[illegible]~~ of tibiae (1 ♂ or ♀) I don't remember taking this, but may have (with sweeper) taken it on Wild Carrot on Sunday evening AUG. 26. 8. 33.

Procto.

28th & 29th Aug. 1933 Phaeogenes [illegible] 1♀ [illegible] red ♂♀ Leptocryptus? 1♂

Homocidus pictus 1♂ Stenomacrus? 1♀? Hemiteles areator? 1♀

Mesoleius 1♀ Cryptus 1♂.

Bracon terrefactor? 1♀. B. sp. [illegible]? 1♀.

Dacnusa dorsenta ♀, not kept? Opius 1♂ Aphidius

27th August 1933. Very wet (except in Dublin) with SE gale & almost continuous rain all day. Very warm! Drove to Athy, with J.A.J. Palmer, & on to Kilkea Castle deerpark, there in spite of rain Braconids & ichn. very numerous & some actually flying. Impossible however to collect, though in brief intervals between showers some 20 specimens obtained from under sides of leaves of oak, lilac, beech, &c, in woods in deerpark, Co. KD., 11-30 till 2.30 PM.

Bombus agrorum, muscorum 1♂ (Palmer), lucorum, & lapidarius 1♂ seen [Also 1♀ jonellus on Scabiosa succisa near Ballitore, Co. KD.]

Dyspetes praerogator. Orthocentrus radialis 1♀

[illegible] Hemiteles? 1♀ carded

Mesoleius ♀ Hemiteles areator? 1♂.

About a dozen Braconids!

Rhyssalus indagator 1♀. Colastes braconius 2♀♀. Meteorus 1♀.

Blacus tripudians 4♀♀. B. humilis? 1♀.

2 Proctos.

3 Chalcids.

One of these compared 28/12/1937 & agreed perfectly with a ♀ in Royal Scottish Museum (in Greville Coll. 1858-13) lent me by A.R. Waterston, & supposed to have been named by Haliday & given by him to Greville. A.W.S. 28/12/37.

30th August 1933. Afternoon. A nice sunny day.
Bellevue estate, Delgany, Co. Wi. 3.0 till 5.0 PM.
All collected near E. boundary! Went here chiefly to look for more Oxycera pulchella, but too late & none seen. I took this fly & saw many in the alder swamp by small white cottage on 23.8.31.
Bombus lucorum ♂♂ & fresh ♀♀. B. agrorum ☿☿.
B. derhamellus ♂♂.
Crabro cetratus large ♀ on alder.
Mellinus arvensis ♂ " "
Athalia lineolata ♀ in alder swamp.
Phyllotoma vagans ♀ on alder.
Ichneumon ? 1 small slender yellow & black, ♂
Atractodes tenebricosus ? 1♂. Cryptus ? 1♂.
Phygadeuon ? ♂ 1 ? 2♀♀. Hemiteles ?? 1♂, 1♀ winged.
Promethes sulcator 2♂♂. Tricliistus globulipes. Perilissus [illegible]? ♂
Mesoleius large ♀. M. small ♂. [illegible] of [illegible]!
= "[illegible]" Holmgr.?
Meloboris ♂. Anilastus ? ♂.
Pimpla brevicornis? 1♂, 2♀♀ one of which taken in middle of stubble field.
[illegible]? 1♂.

Bracon ♂ Apanteles fulvipes? 2♂♂, 1♀
Opius irregularis? 2♀♀. Perilitus rutilus 1. Meteorus laeviventris 1♀.

30.8.33 cont. Bellevue, Wi. cont.
Phaenoserphus [illegible] ♂
[illegible] lateralis ? ♂
D. minutus ? 2 or 3 exs. 1 certainly taken in [illegible] field, one other.
Chrysis [illegible] 2♀♀.

Aphidiinae: several.

29.8.33. Collected on The Mullet, Co. W. Mayo, by E. O'Mahony.
Halictus albipes 1♀ H. villosulus 1♂.
Myrmica scabrinodis 1☿ Formica fusca 1☿.
[illegible] [illegible] 1♀. P. [illegible]? 1♀.
[illegible] ? 1♀
Cryptus 1♂ [illegible] 1♀
Pimpla [illegible] 2♀♀
Bracon 2♀♀.
Apanteles 2♀♀.
Macrocentrus collaris ? 1♂.

30.8.33 Collected on The Mullet, Co. W. Mayo, by E. O'Mahony.

Pezomachus 1♀

Pimpla brunnea 1♂

Cryptinid 1♀.

3rd Sept. 1933. A beautiful day, but too dry (SE wind) for insects: almost all sunny & sun very hot.

Murrough of Wicklow, at Killoughter old station.

Most collected in marsh behind station & by lane leading thereto, but some taken along railway line on Pimpinella & Daucus; some also taken in marsh (by track to farm) about 3/4 mile N. of old station. Clouded Yellows frequent & much chased by George, & J. A. J. Palmer, who was with us: Only a few ♀♀ seen & none of the var. helice.

Bombus lucorum 1 fresh ♀, with white pollen in baskets seen gathering (nectar & pollen?) at Angelica & Bramble in lane. Very extraordinary !! on this date.

B. hortorum ♂. B. agrorum & muscorum ♂♂ ♀♀ & ♀ of latter.

B. lapidarius ♂♂, ♀♀ & fresh ♀.

Psithyrus barbutellus ♀. P. campestris ♂ (Palmer).

3.9.33 cont. Killoughter, Co. Wl. cont.

Vespa vulgaris ☿☿ common.

Tenthredo "arcuata" ♂♂ & ♀♀ on Daucus, &c.

Selandria serva ♂, examined.

Cladius pectinicornis ♂ along ry. line.

Black ♀, Red legs. = Pachyprotasis, Allantus?

Cryptids. 3 small ♂♂ & 1 ♀ [illegible]

Pimpla detrita 2 fine ♀♀ in marsh, with short tails!

Glypta elongator ♀, examined.

Lissonota basalis ♂♂ & ♀♀ on Daucus, &c.

Polysphincta varipes ♂ in marsh.

Clistopyga rufator ♂, somewhere in marsh.

Promethes sulcator 1 small ♂, 1 fine ♀. P. dorsalis 1♂, 1♀ (♂ with "tyloides" on proximal joints of flagellum)

Homocidus signatus 2 small typical ♂♂, also a third ♂ with no annulated & rather dusky [illegible] of abdomen not so clear & well marked = ? H. pygmaeus Th.

Zootrephus rufiventris 1♂.

Diaparsus?? 1♂?.

PTO

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3.9.33 cont. Killoughter, Co. Wi, cont.

Bracon black sp. ♀, like variator but darker tinted, like ... but palps black.

B. fulvipes 1♀. B. erythrostictus, var., 11♂♂, 3♀♀, very variable.

B. sp.? (? dark type, small, var., of erythrostictus) 3♂♂, 1♀.

Apanteles sp. (of fulvipes) 2♂♂.

A. sp. 1♂.

Microgaster globata? 1♂, 1♀

Opius exiguus? 1♀   O. cf. pallipes or near this. 1♂

Dacnusa areolaris only one or two in mounted: Nixon agrees, 2♀, via areolaris. 13.1.37.

Gyrocampa ~~affinis~~ ? = D. estella Nixon ✓Nixon agrees, 13.1.37! large form ♂♂ by drain behind station

" ? [small ♀♀, unusual?] only one mtd. which Nixon agrees is affinis! 13.1.37.

Chaenusa conjungens by drain behind station.

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Collected at Bartron, The Mullet, Co. W. Mayo, by E. O'Mahony on 1st & 2nd Sept 1933.

1.9.33. "On windows of shed used to store oats"

Dacnusa, black sp. 1♂ & 5 Bracon. = ?= sp.? Nixon, 13.1.37.

2.9.33 Bethylus fuscicornis 1♀. Small brachypterous Proctotrupid 1♀ Megaspilus? 2

2.9.33. "By sweeping drains & marshy fields S.W. of village" of Bartron

The following species examined, ~~but not kept~~ & sent to J.F. Perkins:—

Hebechus albipes 2♂♂, Campoplex brevicornis 2♂♂ (one small & elongate, the other larger & stouter) & 3♀♀, Glypta elongata 1♂, G. teres 1♀, Lissonota bellator ♂ & ♀, ♂ of the commonest red Cryptid (...), Bassus varicornis 2♂ & ♀, Promethes sulcator ♂ ♀.

Some others mounted & some stored dry!

[Spathius exarator 1♀ taken in shed!] Bracon ... ? 1♀ B. ... 1♀.

Microgaster 1 Synaldis 1♂

Dacnusa areolaris 1 large ♂ D. sp. 1♂ D. sp. ? ... 1♀.

4.9.1933. Collected by E O'Mahony on the Banks, behind Aghleam (nr Carbon) The Mullet, Co. WM., :
Bombus lapidarius 2 ♀♀. B agrorum 1 faded ♀,
B muscorum 1 fresh ♂, 3 ♀♀.
Psithyrus campestris a beautifully fresh ♀ of var. rossiellus
Halictus villosulus 2 fresh ♀♀. } Labelled {"Newtown" : see below.
Mellinus arvensis 1 ♀. } {"Carbon"
Bethylus fuscicornis 2 small ♀♀.

Spilomena pygmaea ? 1 ♀.

[illegible] [illegible] 1 ♀. ✓ Nixon 1937 [illegible] 12/2/37.
Diacrius estella Kieff (= Gyrocampa affinis, large var.) 2 ♂♂
Proctos 2
Chalcid 1 minor ♀, long [illegible]
Cynipid 1 very small.

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5 9 33 Collected by E O'Mahony at Newtown, The Mullet, Co WM. 5 9 33.
Pristiphora fulvipes ♀ (damaged). RCLP 17.9.34. Cf. p. 191 →
Bethylus fuscicornis 3 small ♀♀.
Pezomachus fasciatus 1 ♀. P. sp. 1 ♀.
Hemiteles ♀ ♂ with [illegible] [illegible] [illegible]
Microcryptus infirmus 1 ♀ Perilitus sp. 1 ♀, with very short antennae, not head of ♂

5.9.33 cont. Newtown, The Mullet, Co WM. E O'M cont.
Opius [illegible] ? 1 ♀.
Diacrius [illegible] 1 ♂ = senilis ♂ fide Nixon, 13/1/37.
Alloxa contracta 1 ♀ Ephedrus validus 1 ♀
Proctos 4 =

Chalcid 1 Cynipid 1.

---

7. 9. 33. Collected by E. O'Mahony at Aghleam, The Mullet, Co. WM.
Bassus [illegible] 1 ♀
Cremastus of geminus, 1 ♂, [illegible]
Mesoleius ♀ Pezomachus fasciatus 1 ♀.
Bracon of [illegible] 1 ♀. Sigalphus caudatus 2 ♀♀.
Aspilota ♀ 1 ♀. A. sp.? 1 ♀
Microgaster ♀ 1 ♀
Microplitis ? ♀ 1 ♂
Dacnusa [illegible] ? 1 ♀.
Opius sp.? 1 ♂ in bad condition, [illegible] [illegible] [illegible] .
Proctos 6 ×

6th Sept 1933. A fine day, but dull & misty with NE wind in afternoon at Powerscourt.

3.0 till 5.0 PM. Powerscourt demesne, Co. Wi.
Almost all collected in or below tributary glen on right bank of river about 1/4 mile below deerpark gate; one Dacnusa & several Proctotrupes taken on left bank by streamlet behind tall conifers.

Bombus lucorum 1 worn ♂, B. agrorum & B. muscorum common on mint.
Psithyrus barbutellus ♂♂ & 1 ♀ seen. P. distinctus ♂ seen.
Vespa vulgaris
Pimpla IV dentata, large ♀ (not kept).
Cryptides 1 red ♂ | Hemiteles ♀. ♂ ♀ carded.
" 1 red ♀.
" black ♀ with very large areolet; long terebra. of [illegible]
Prometh. scutellaris 1♂. Pezomachus ♀. '♀ not [illegible]'
Stenomacrus cf. [illegible] 1♂.
Exochus
Eubadizon extensor ♀ on alders in glen.
Aspilota spp.

[illegible] pumilio 1♀

6.9.33 cont. Powerscourt dem. Co. Wi, cont.
Dacnusa ~~areolaris~~ ~~pubescens AWS 1936~~ = laeta AWS 1938 1 large ♂, 2 large ♀♀ — 1 each {pubescens / laevipedis} AWS 1938.
D. stramineipes 1 ♀ of the real species, with long ovipositor & yellow tail segments; antennae reddish at base; mesopleural furrow distinct; 28 jointed antennae.
D. [lateralis ?], 1 ♂ by streamlet on left bank of river. (Nixon (13.1.1937) names this "D. eros Nixon, small ♂?, or sp. near this! A.W.S.

Ephedrus validus 1 ♀.
Proctos. —

"In Lane near Castron, The Mullet, Co. Mayo. E. O'Mahony; 8.9.1933.
Pezomachus 1♀; Hemiteles 1♂; Hemiteles? 1♀;
Gymnoscelus affinis √ 1♀, 1♂, 1♀, on same card; Opius lugens 1♂; O. lugens 1♀;
Nixon agrees, 13.1.37 Dacnusa areolaris 1♀, 1♂; Nixon agrees! 13.1.1937.
Chasmodon? 2 small ♀♀; [illegible] 1♂; Proctos. 4 ♀;
Aphidius; Synopeas 2, on same card,

Collected by E. O'M. near Castron, on The Mullet, Co. W Mayo 5.9.33.
Mesochorus [illegible] ♀
Limnerium tibialis ♀. Pimpla brevicornis ♂ & ♀.
Trichodes [illegible] 1
Sawfly [illegible] [illegible]

Probably intended to refer to those taken "In Lane Castron" on 8 Sept '33. AWS. 16/4/36

Vid pp. 188–189.

16th Sept 1933. All sunny, but very strong, bitter, E. wind & no insects out, partly owing to the wind & partly owing to the prolonged drought.

Coast N. of station road, Gormanston, Co. Meath.
The few insects taken were in the shelter of hedges &c along the lane leading to the old aerodrome from the shore.

17th Sept. 1933. A poor day, almost raining, [illegible] with falling glass & strong winds from SE–SW. The first break in weather since 27th Aug.
Drove to Naas & then along Rathangan road to Victoria Bridge (over R. Liffey) & over railway & collected in marsh N. of road & W. of railway from 11.30 till 12.30.
Insects taken here labelled

Morristown
Co. KD. AWS.
17.9.33.

Bombus agrorum & Psithyrus campestris on Scabiosa succisa ♂ the only aculeates seen.

P.T.O.

17.9.33 cont. Marsh by railing at Morristown, Co. KD. continued:—

Cryptids 2♂♂ 3♀♀ ended

Orthocentrus [illegible] 1 very long ♀.

Cryptids 2♂♂, 7♀♀, including Hemiteles [illegible] 1♀
Thersilochus ? 1 (ended)

[illegible] 2♂♂ ([illegible])

Promethes pulchellus 1♂ 1♀.

Bassus [illegible] 3♀♀ [illegible]

Rhogas circumscriptus 2♂♂. R. testaceus 1♂ 1♀.

Aphidius 3♂♂ Phaenocarpa conspurcator ? 1♀, with narrow [illegible]

Proctos 5 + 6 Diapriids + 4

Cynipids 2 + 3   Chalcids 1 + 3.

17.9.33 afternoon.

Drove back through Naas to Brannockstown, then stopped for lunch, then via Rathmore to Kilteel. Just N. of Kilteel, Co. KD, stopped to collect in valley, above road, from 2.30 till 4.0 PM. Good ground but mostly destroyed by cattle (owing to drought forcing cattle into the best swampy bits for food). Very windy & grass damp after shower.

17.9.33 aft. Glen N. of Kilteel, Co. KD. cont:—

Exolytus 2♂♂

Cryptids 2 red ♂♂ = Acanthocryptus [illegible] ♂

Promethes sulcator 2 small ♂♂

Stenomacrus curvicaudatus 1♀

NB. Some labelled "N. Kilteel" & some "Kilteel" but all the same place. A.W.S.

Blacus humilis ? 1♂.

Perilitus ? 1♀   Pentapleura angustula ♂.

Phaenocarpa livida ? 1♂.

Dacnusa ~~[illegible]~~ 1♀ = cytherea Nix. fide Nixon, 13/1/37.

Dacnusa [illegible] 1♀   D. [illegible]

Aphidius   Aphidius   [illegible]

C. ([illegible]) 1 very small ♂.

Proctos 20 + 6 + 4 Diapriids.

Chalcids 1 + 2

196

23rd Sept. 1933 Powerscourt Dm., Co. Wi.

All swept in Alder glen, from mint, meadowsweet, Eupatorium &c., 1/8 mile below deerpark entrance, on right bank of river! Shower just before our arrival nearly completely spoiled collecting.

Proctotrupa ♂

1 very small brachypterous [illegible], with clubbed antennae.

Colletes [illegible] ♂♂ 1 ♀

[illegible] [illegible] 1 ♀

[illegible] [illegible] 2 large ♂♂ [illegible] 1 ♂

Aspilota ?

Dacnusa gilvipes 3♂♂, 2♀♀ D. lutescens (RNB 11/4/36) D. areolaris, ♀♀ (3 etc)

D. leptogaster? 1 ♀

(Later 1 ♀ has [illegible] D. confinis Ruthe! RNB 1938)

Cephalonomia 1 ♀

[illegible]? [illegible] ♀ with red bands on abdo.

[illegible] 1 ♀

Exolytus 1 ♂. Stilpnus pygmaeus 1 ♂

Stenomacrus ♀

Proctos 2

197

24th Sept. 1933. A fine morning, but after showers & thunder at 2 PM gradually getting colder in NE wind then back NW wind & slight rain all the way home. The previous day all wet in Dublin!

Down to Athy & stopped at old sand-pits & marsh near Ardreigh mill (as usual); then on to Mullaghcreelan woods, &c., & home via Castledermot.

Sandpits & marsh, S. of Ardreigh, Athy, Co. KD.

12 noon till 1.0 PM. Some sun, windy (NW).

Bombus agrorum frequent at Marjoram & Scabious (marsh)

Psithyrus rupestris ♂♂, very faded, common on Marjoram in first sandpit. P. campestris a few faded ♂♂ with last

Halictus [illegible] 1 very fresh ♀ on ragwort at 2nd sandpit, as before.

[illegible] ♂ [illegible] melanostomus Th. 2♀♀.

[illegible]? 1 ♂.

Hemiteles small, bright red abdo., 1 ♀.

198.

(see also Glenasmole 27.9.33) →

= Kilkea Park!

24.9.33 cont. Mullaghreelan woods, Kilkea demesne, Co KD.
2.0 till 4.0 PM. Collecting greatly spoilt by heavy showers.
Bombus agrorum & muscorum frequent; ☿☿, ♂♂, & 1 ♀ of last seen.
B. lucorum 1 fresh, yellow ♂ (George). B. hortorum 1 ♂.
Psithyrus rupestris several faded ♂♂. Ps. barbutellus 1 fresh ♂
All on Scabious near fort on summit of hill!

Vespa sp.? (vulgaris?) seen.
Platylabus dolorosus? 1 ♀. Phygadeuon? sp. 2 ♀♀.
Promethes pulchellus 1 ♂, with face rather rough & not so polished as usual.
Lissonota commixta 1 ♀.
Stenomacrus — 1 ♀. Aerodactyla degener ♀.
Plectiscus ? hebetator ♂, testaceus ♀. Mesochorus vittator?? 1 ♀ (found with Plectiscidae, [illegible])
Colastes braconius 2 ♂♀.
Meteorus ictericus? 1 ♀.
~~Blacus~~ Meteorus (not Blacus [illegible])
1 ♀ ~~with pale palpi & short [illegible]~~ ([illegible])
Alysia manducator 2 ♀♀.
Dacnusa areolaris 2 ♀♀.

Chalcid 1.

So these sent to Dr. Perkins [illegible] 1933 [illegible]

199.

([illegible] collected 24.9.33 by error)

27th Sept. 1933. A fine afternoon, mild & calm, after several damp days; not drying; & vegetation too wet to sweep.
Mainly spent above glen & swamp in corner at N.E. corner of lower reservoir, Glenasmole, Co. Du.
Bombus agrorum a few only seen.

Hemiteles 4 spp. 1 ♂ 3 ♀♀, [illegible], 1 interesting looking.

Lissonota sulphurifera 1 ♂ Pimpla [illegible]-dentata 1 ♀.
Mesoleius [illegible] ♂
Promethes sulcator ♀ Stenomacrus cf. ochripes 1 ♂ yellow face.

Bracon 1 ♀ Colastes braconius 1 ♀.
Dacnusa areolaris several but one kept.
Meteorus filator 1 ♀. M. [illegible] 2 ♀♀.
Aphidius 2 ♀♀, with 12-jointed antennae; 1 ♂.
Proctos 5 + 5
Cynipids 3.

200

1st October 1933. Dull, with sea mist & strong chilly E.N.E. wind, all day. Insects very scarce. Drove to Kilmacurra & on to Meeting of the Waters, Avoca, Co. Wi. Collected by sweeping for half an hour at N.W. side of Kilmacurra demesne & amongst scrub on left bank of Avonmore, above Castle Howard railway bridge over river.

11.30 till noon   Rushy area by old road, Kilmacurra, Co. Wi

Diospilus oleraceus: large ♂.
Blacus ? ♂
[illegible] rufipes? 1♀. black head.
Hemiteles small black ♂. H. two small black ♀ and ♂♂
[illegible] dark ♂.

Campoplegid small black ♂ (carded).

[On this date Miss Nora Fisher dug up a root with 3 living & fresh ♀♀ of Andrena sericea from a hollow in the sandhills at Portstewart, Co. Derry.]

Sawflies sent to Dr. Perkins at end of 1932 season: 2nd lot!

1 Pteronidea dispar ♀ (Burnham Beeches, Bx. AM Gorgan.) 2,3 Schizoneura betulae (2♀) (Burnham Beeches Bx AMG.), 4 Rhogogaster aucupariae (Ballyhealy, WH 29.5.32.)

200

1 Eriocampa ?? atra. (Bx. AMG.) Does not agree with descript. but the gall was apparently this! 2,3. Blennocampa tenuicornis (2♀) (Glen of the Downs, Wi. 4.5.32.) 4 Monophadnus pallescens (albipes) ♀ (Glen of the Downs, Wi. 4.5.32. AWS.)

1 Hoplocampa chrysorrhoea Kl. (The Dingle, Dee. 4.5.32.) 2 Empria tridens ♀ (Enniskerry, Wi. 20.4.32.) 3 Blennocampa affinis (Glenealloe, Wi. 24.6.32) 4 Pristiphora fulvipes Fall. ♀ (Coan, Wi. 10.7.32.)

1 Trichiocampus eradiatus Hart. (Harold's X, Dn. 29.7.32.) 2 Pristiphora pallidiventris Fall. V. denudata Kon. (meeting of the Waters, Wi. 31.7.32.) 3 Dineura testaceipes Kl. (Glenealloe, Wi. 22.6.33.) 4 Pristiphora ruficornis ♀ (Harold's X, Dn. 5.8.32.)

All from here to end taken by Bullock in Killarney district, K. & returned to him on 12.2.1934! AWS.

1. Schizoneura betulae (Deputy's Pass, Wi. 11.9.32.) 2,3 Tomostethus ephippium V. nigrans (2) 4 Selandria morio? (very bad condition)

1. Caliroa aethiops 2. Tomost. ephippium, 3. Selandria stramineipes 4. Sel. temporalis.

1. Pristiphora fulvipes (probably) bad. 2. P. pallidiventris ♀ very bad 3. Emphytus tener bad; 4 Pachynematus clitellatus ♀.

Other side of box.

1 Pristiphora pallipes ♀ var. 2. Fenusella pygmaea, 3. Pachynematus vagus, 4 Blennocampa tenuicornis (very bad)

1 Bl. tenuicornis, 2 Pachynematus vagus ♀, 3. Hoplocampa pectoralis ♀ 4. Empria sp.? This Empria is one of those doubtful specimens I don't know whether to refer to near liturata or to the subg. Tricampa near undulata.

1 Nematinus luteus 2. Pteronidea myosotidis 3. Hoplocampa pectoralis 4. Ametastegia equiseti.

The Bombus (taken at Farrinseer, C.V., on crocuses by E. Fares, on 12.3.33.) appears to me to be an aberration of lucorum.

A year or two ago I caught a fresh ♀ in which the yellow bands were nearly white or very pale & the 'tail' much more conspicuously coloured than yours. Richards told me that such a var. was known on the continent. On the other hand terrestris ♀ occasionally occurs with the tail practically like that of lucorum, in fact I believe the type (continental) of terrestris is this white-tailed form. Hence Smith named the British terrestris as virginalis Smith.

Under the cotton wool is an antenna, which appears to be that of an aculeate & not belonging to any of the sawflies, tho. there were no loose antennae in box.

Sawflies sent to Dr. Perkins at end of 1932 season : 2nd lot!

Burnham Beeches, BX. AM Grogan. — Burnham Beeches, BX AMG. — Ballyhealy, WH 29.5.32.
1 Pteronidea dispar ♀ ; 2,3 Scolioneura betulae (2♀), 4 Rhogogaster aucupariae.
200

BX AMG. — Glen of the Downs, Wi. 4.5.32. 07d ♀ — Glen of the Downs, Wi. 4.5.32. AWS.
1 Euura ?? atra. Does not agree with descript. but the gall was apparently this! 2,3. Blennocampa tenuicornis (2♀) 4. Monophadnus pallescens (albipes) ♀

The Dingle, Dee 4.5.32. — Enniskerry, Wi. 20.4.32. — Glencullen, Wi. 24.6.32 — Coan, Wi. 10.7.32.
1 Hoplocampa chrysorrhoea Kl. 2 Empria tridens ♀ 3 Blennocampa affinis 4 Pristiphora fulvipes Fall. ♀

Harold's X, Du. 29.7.32. — Meeting of the Waters, Wi. 31.7.32. — Glencullen, Wi. 22.6.33.
1 Trichiocampus eradiatus Hart. 2 Pristiphora pallidiventris Fall. v. denudata Kon. 3 Dineura testaceipes Kl.
Harold's X, Du. 5.8.32.
4 Pristiphora ruficornis ♀

All from here to end taken by Bullock in Killarney district. N.K.
& returned to him on 12.2.1934! AWS.

Deputy's Pass, Wi. 11.9.32.
1. Scolioneura betulae; 2,3 Tomostethus ephippium v. nigrans (2) 4 Selandria morio? (vy bad condition

---

1. Caliroa aethiops 2. Tomost. ephippium, 3. Selandria stramineipes 4. Sel. temporalis.

---

1. Pristiphora fulvipes (probably) bad. 2. P. pallidiventris ♀ vy bad 3. Emphytus tener bad; 4 Pachynematus clitellatus ♀.

Other side of box.

1 Pristiphora fagi ♀ var. 2. Fenusella pygmaea, 3. Pachynematus vagus, 4 Blennocampa tenuicornis (vy bad)

---

1 Bl. tenuicornis, 2 Pachynematus vagus ♀, 3. Hoplocampa pectoralis ♀ 4. Empria sp? This Empria is one of those doubtful specimens I don't know whether to refer to near liturata or to the subg. Triempria near undulata.

---

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Under the cotton wool is an antenna, which appears to be that of an aculeate & not belonging to any of the sawflies, f.ex. there were no loose antennae in box.

1st October 1933. Dull, with no sun & strong chilly E.-N.E. wind, all day. Insects very scarce. Drove to Kilmacurra & on to Meeting of the Waters, Avoca, Co. Wi. Collected by sweeping for half an hour at N.W. side of Kilmacurra demesne & amongst scrub on left bank of Avonmore, above Castle Howard railway bridge over river.

11.30 till noon. Rushy area by old road, Kilmacurra, Co. Wi.

Diospilus oleraceus? large ♂

[illegible] ♂

[illegible] [illegible]? 1♀. black head.

[illegible] small black ♂. 4 two small black & red ♂♂

[illegible] dark ♂.

[illegible] small black ♂ (carded).

[On this date Miss Nora Fisher dug up a nest with 3 living & fresh ♀♀ of Andrena [illegible] from a hollow in the sandhills at Portstewart, Co. Derry.]

1.10.33 contd. 2.30 till 4.30 PM.

Scrub on left bank of Avonmore, ½ mile above Meeting of the Waters, Co. Wi.

Meteorus [illegible]? ♀ on Hazel.

[illegible] ♀.

"[illegible]" large ♂ & small ♀.

3 Cynipids, long petiole, on Hazel.

Chalcid.

[illegible]? 1♀

Pimpla "instigator" HVS, small ♀. P. "turionellae"?? very small ♂.

Athalia lineolata 1♂?

4th Oct 1933 — See also 4.8.33. DVS. A very fine day, but not warm in aftn. Left bank of R. Liffey, above Athdown footbridge, Co. Wi. Only a few insects taken by sweeping in marsh & no [illegible] seen at all; most [illegible] & other taken by sweeping hazel, or birch & willow.

Polysphincta 1♀. Pimpla [illegible]? 1♂, with two [illegible] front femora!

Stenocranus [illegible] ♂♂ & very many ♀♀, mostly on Hazel.

P.T.O.

4.10.33 cont.   Altidore, Co. W. cont.

Bracon [illegible] 1♀.

Phaenocarpa conspurcator 2♀♀.

Aphidius 1

Proctos.: ~~Phaenoserphus~~ Exallonyx spp. very common, but no other Proctos. except 2 = Exallonyx ater 13♀♀ & Ex. brevicornis 1♀ fide Nixon 1935.

8th Oct. 1933. A beautiful day, but after many hours rain during the previous day & evening: therefore everything soaking & too wet to sweep except in the windy spots, & most insects killed off. Drove via Dunlavin to marsh at Raheen, here collected for an hour, then on to George's Bridge, where collected for 1½ hours on left bank of R. Slaney (below bridge), Co. W.

Gelis [illegible] very common — mainly at Raheen!

Bombus lucorum fresh ♀♀ on Ivy at George's Bridge

B. agrorum at Raheen & on ivy at George's Bridge

Vespa vulgaris ♀♀ on Salix bark at Raheen & abundant on ivy blossom at George's Bridge.

For other Hymenoptera see next page.

8.10.33 cont.

Marsh & stream-side below Dunlavin road at Raheen, Co. W.

11.30 – 12.30 a.m.

[illegible]

Stenomacrus 1♂

Glypta ♂. cf. [illegible] ?

[illegible] [[illegible]] 1♀ only, with distinct sternaulus! Nixon (13/1/1937) names this ♀ "maculipes, Thoms.?" A.W.S

Aphidius [illegible] 1♂.

[illegible] 2 spp. [illegible] 1♀ with dark wings.

Phaenoserphids 2.

Chalcids 1.   Cynipid 1.

8.10.33 (aft.) cont

Marshy fields & scrub, on left bank of R. Slaney, between George's & Waterloo bridges, Co. W. 1.30 till 3.0 P.M.

Promethes pulchellus 1♀

4♂♂, 2♀♀, Cryptid spp. =

Hemiteles 1♀ (winged).

[illegible] [illegible] 1♂. [illegible]   [illegible]

Stenomacrus [illegible] ? 1♀

Helictes 1♂

Mesochorus 1♂.

P.T.O.

8.10.33 cont. George's Bridge, Co. Wl. cont.

Phaenoserphids 5 =

Cynipid 1 Chalcid 1.

9th Oct 1933. Hemiteles ♀ ♀ taken in kitchen, 14 Clareville Rd, Harold's Cross, Co. Du.

11th Oct 1933. A fine afternoon, but not sunny, showers about & no insects.

Enniskerry, Co. Wl 3.0 till 4.0 PM.

Swept a few insects in marsh between upper & lower road (=1) & also a few in wood above old track ends in swamp.

Dacnusa areolaris 2 ♀♀ at 2.

Meteorus (pulchricornis ? or scutellator ?) 1♂ at 1.

Aspilota 2 at 1 Opius instabilis? 1♂, " at 2.

Hemiteles 2 ♀♀ (2 spp) =

Pezomachus 1♀

Plectiscus 1♂.

Proctos 3.

Vespa vulgaris ♀♀ seen at 2, but no Bombus!

22nd Oct 1933. A dull warm day, with some misty rain.

Ballyfluck, Co. Wl. 12.30 noon till 3.0 PM.

Too wet to sweep or beat & few insects out & had not collected much so with D K Kevan & beat the wood at water.

Meteorus ♀
Pimpla [illegible] dentata ♀, small
in the wet.
} All taken in wood N. of swamp,

Limnerium sulphuripes from ♂, on Salix, at edge of wood.

29th Oct 1933. A mild day, but showers stopped collecting. 11.30 till 12.30 noon

Furry Glen, Phoenix Park, Co. Du between pond & road above.

Vespa vulgaris ♀♀ (& some ♂♂) in extraordinary abundance on ivy blossom: mostly torpid & [illegible] been out all night.

Hemiteles areator? ♀ beaten off Hollies.

Pimpla 'inquisitor' etc.' 2 small ♀♀ beaten off ivy blossom.

Aspilota ? 1♀ = [illegible] [illegible]!

Apanteles — 1 large ♀ on ivy.

Dacnusa areolaris a few ♀♀ only: on ivy.

Proctotrupes? 1♀.

8th Nov 1933. A fine afternoon.
Lane & fields above St. Columba's College,
N slope of Kilmashogue, Co. Dub. 2-30-4 0 PM.

Vespa germanica? 1♂ } many ☿☿ on ivy, but species
V. vulgaris } not examined: mostly vulgaris.

Two Proctos swept in small marsh, off rushes &c,
along upper margin of old cultivated area, ca. 800 ft.

12th Nov 1933. Glencullen, just above county boundary, Co. Dub. Noon – 1.0 PM. Very sunny.
Beaten off ivy blossom near bridge.

Hemiteles ♀, off ivy [illegible]

[Stilpnus also in tube, but I don't remember collecting this in Glencullen & fear it must have been in loaded tube for some time, therefore ? locality.]

Proctotrupid, off ivy.

Vespa vulgaris ☿☿.

22nd Nov 1933. A glorious day, after nightly frost.
Lane behind St. Columba's College, Co. Dub.

Vespa vulgaris 1♀ beaten out of ivy, very torpid, & hundreds of ☿☿, probably this species.

Hymenoptera sent by Mrs J. C. Lucas, collected in West Cork & Kerry during 1933.

Coelichneumon [illegible] ♀ [illegible] Kerry
Ichneumon [illegible] ♂♀ Old Head of Kinsale, 29/3/33.
Bracon [illegible] ♂ Rosscarbery, W.C.
Adelognathus ♀ Timoleague, W.C.

Cratichneumon [illegible] ♀ Timoleague, W.C.
Agrypon [illegible] ♂ [illegible] Kerry.
Ichneumon [illegible] ♀ Timoleague.

Ophion 3 [illegible] all Timoleague, W.C.
Meteorus [illegible] ♀ Timoleague, W.C.
Meteorus sp. ♀ Timoleague.

26th Nov. 1933. A dull cold morning! Foggy, E wind.
Phoenix Park, Co. Dub., near the Ashtown Gate!
Apanteles — ♀, beaten out of Quercus Ilex.
The only hymenopteron seen. No ivy — this part of park!

6th Dec. 1933. W. side of Kilmashogue, Co. Dublin.
A dull, dry day! 3 till 4 p.m.
Vespa (vulgaris ?) 1 ♀ seen at ivy along lane.
Chalcid beaten out of Scots' Fir on hillside.
Pimpla maculator 1 ♀ beaten out of Scots' Fir.

17th Dec. 1933. A dull chilly morning. 11 till 12 noon.
Lane, etc., behind St. Columba's College, N slope of Kilmashogue, Co. Dub.
Vespa (vulgaris ?): only one ♀ seen at ivy, no doubt due to time of day & chilly wind (E).
Chalcid beaten out of Holly.
Cynipid !

NB. An extraordinarily dry December, only one really wet day (a Saturday ? the 9th), but mainly dull & cool, while England had snow & severe frost. Hills covered with snow after 9th (?) & still a few patches left on Xmas Day.

25th Dec. 1933. Very mild, with falling barometer & threatening rain from SW. 11 till 12.30 noon.
Cloghleagh Glen, upper Liffey, Co. Wi.
A few insects beaten out of Spruce (covered by lichen) in glen!
Pimpla maculator several ♀♀ (none kept).
P. examinator 1 ♀ [illegible]
Dicaelotus ? 1 ♀.
Stenomacrus vicinator ? 1 ♂ !!! with all black mesostern. & pleura.
Chalcids abundant & a few kept.

Procts. ! Cynipid (only kept).

List of sawflies taken by Miss Scott & named by Dr. R C L Perkins, in letter dated 17.9.1934.

Trichiocampus (sp. of [illegible] list) Bohernabreena, Co. Dub. 26.5.33. } Pontania leucaspis ♀ Glencree, Wi. 14.5.33.

Pachynematus ♀ of sp. apicalis & moerens.
Head of Powerscourt Valley, old Enniskerry Rd, Co. Wi. 19.5.33.
Pleuroneura bionota Benson ♀. Swept off Salix, Glencree, Co. Wi. 12.5.33.

Taken by J. N. Halbert.
Nematinus sp. ♀ "intermediate between luteus & [illegible]"
Glenageary, Co. Dub. 14.6.1934